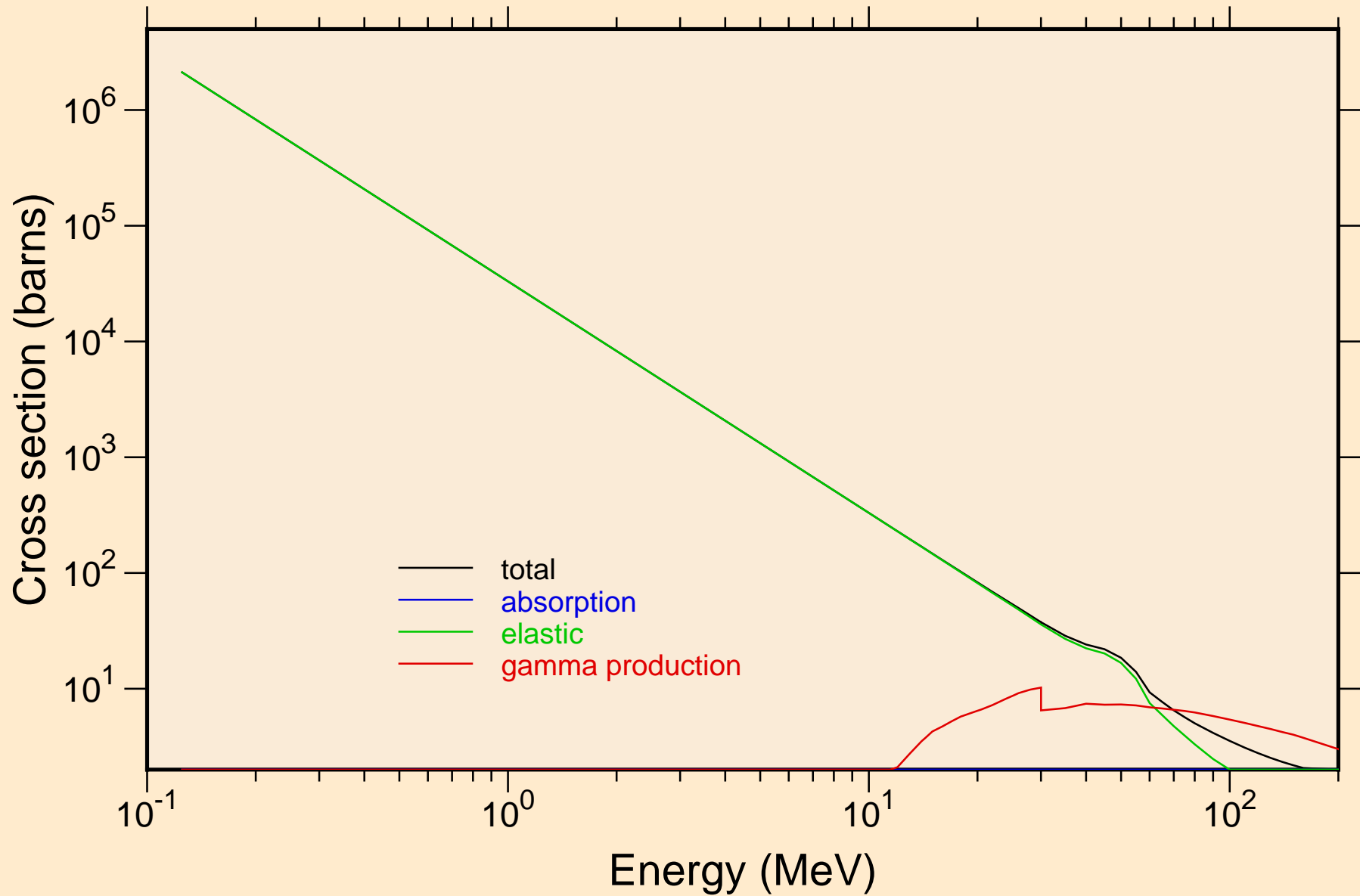


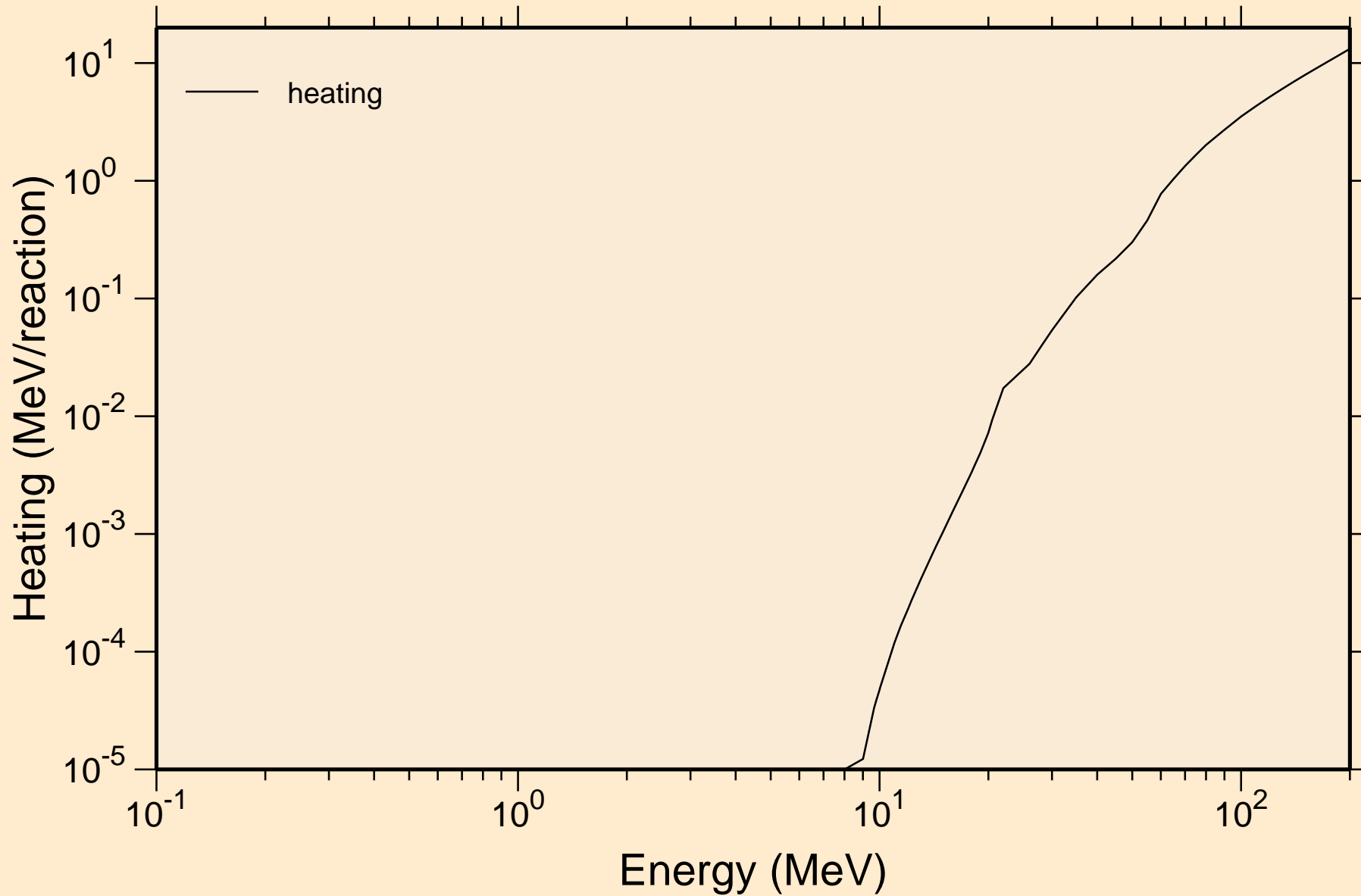
# TA169 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



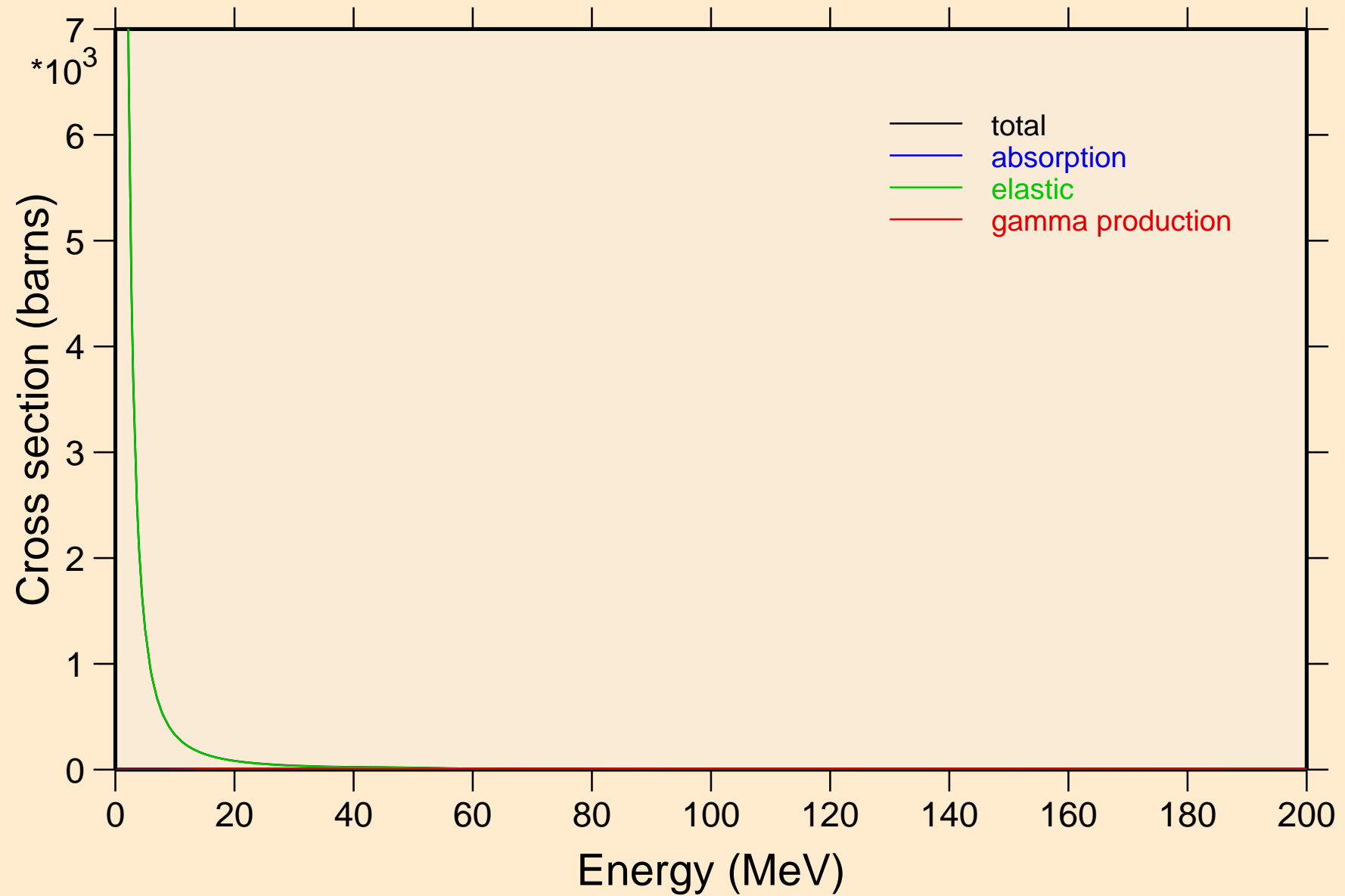
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## Heating



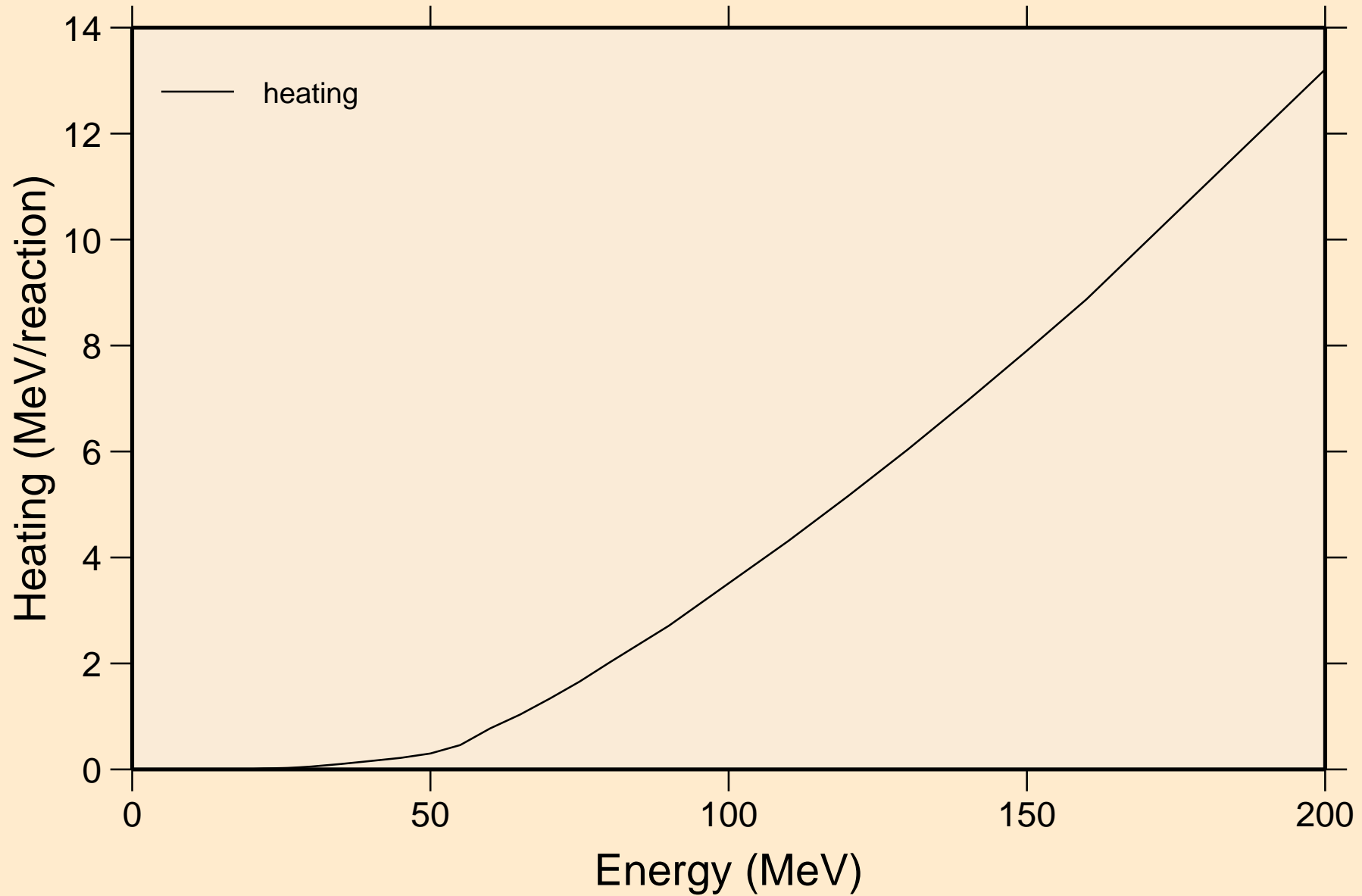
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## Principal cross sections



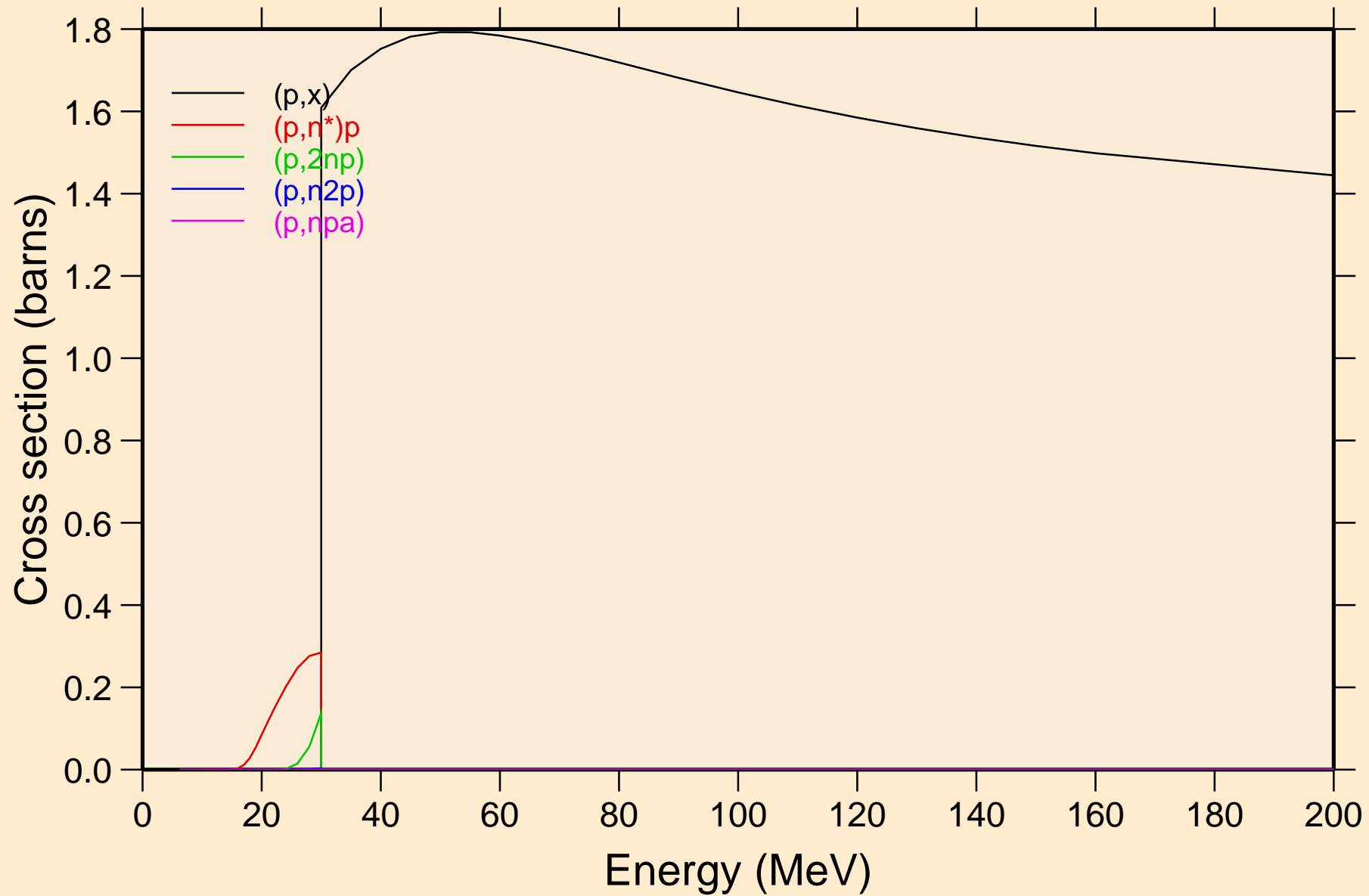
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## Heating

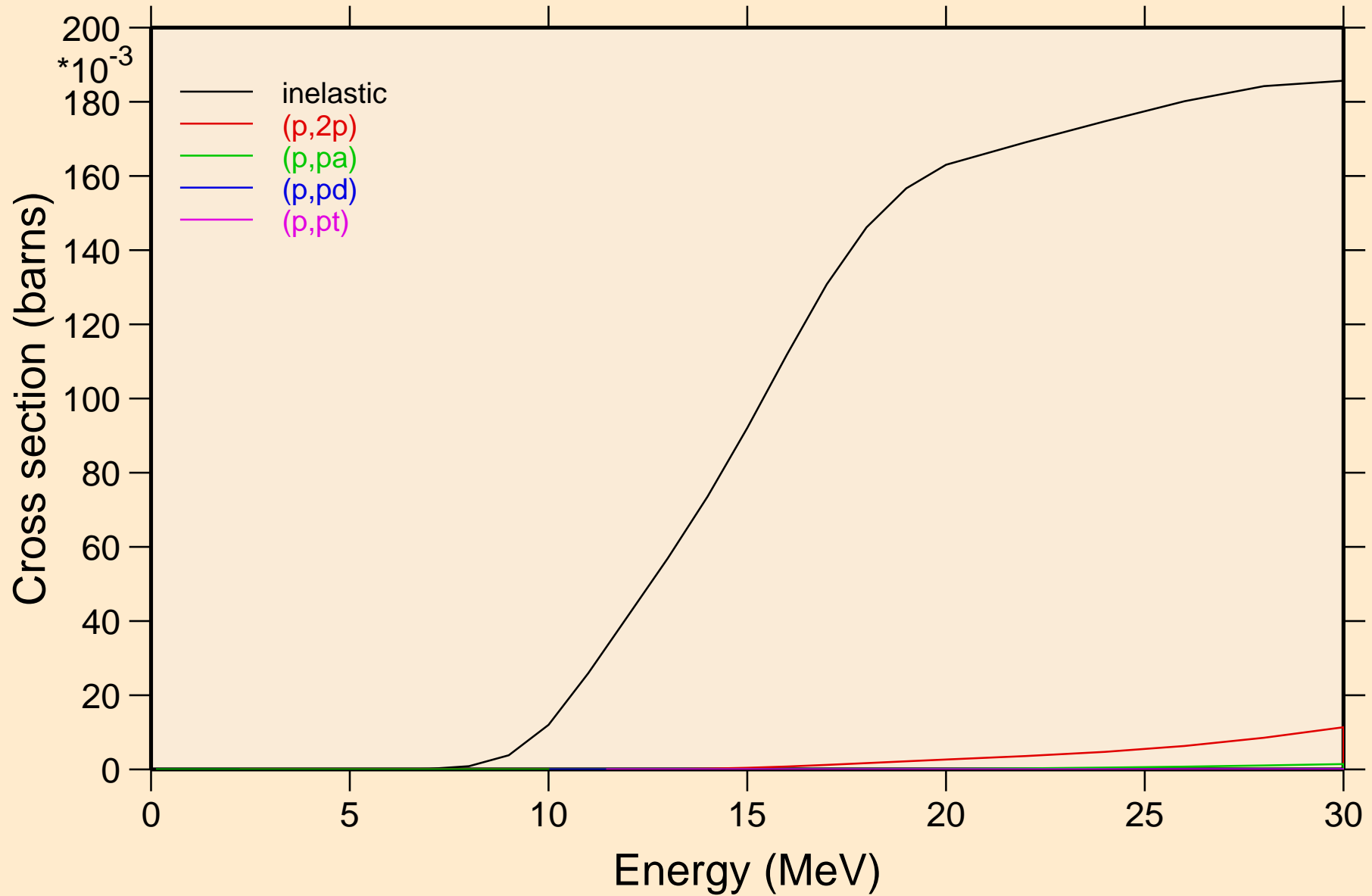


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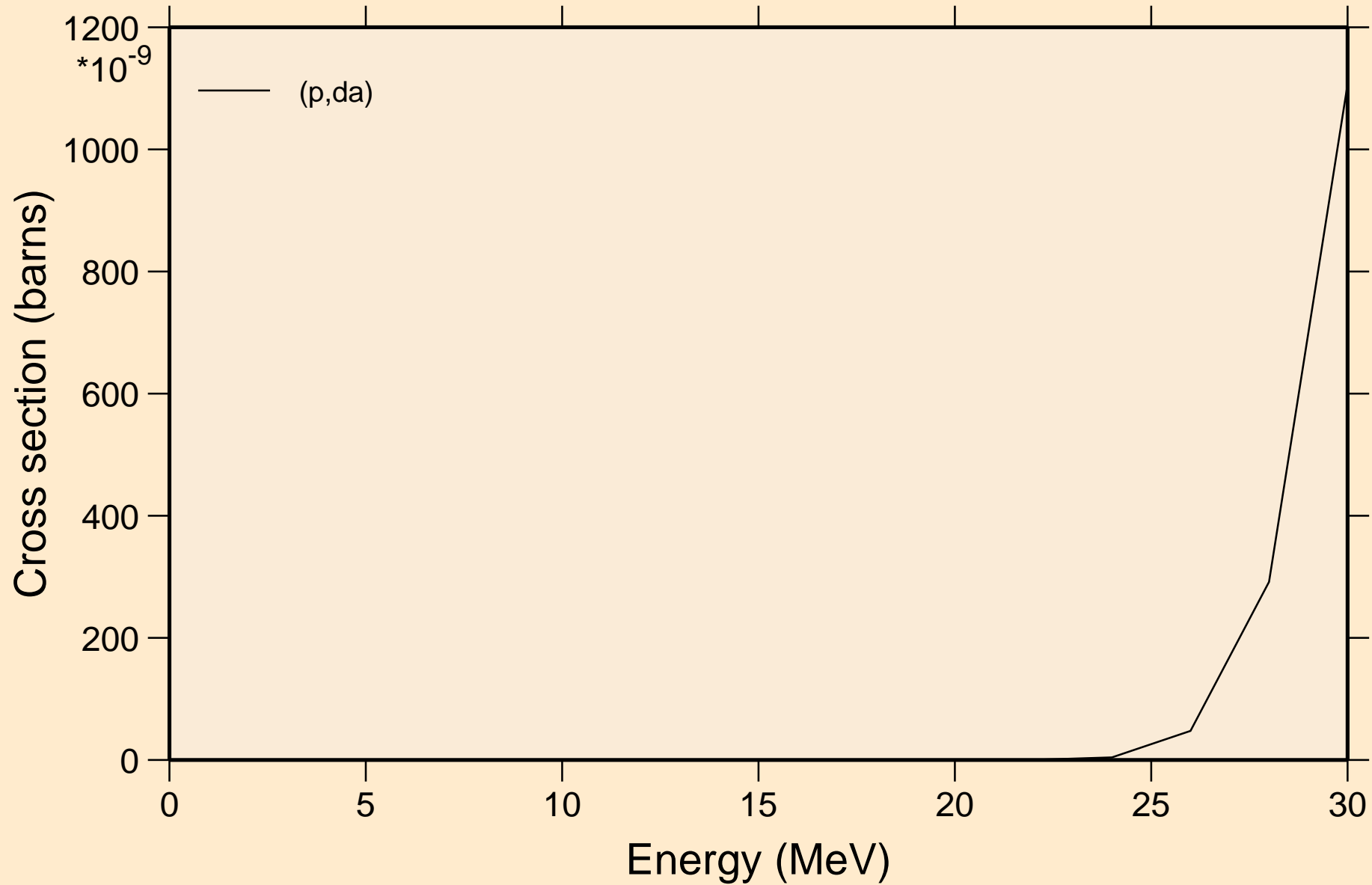
## Threshold reactions



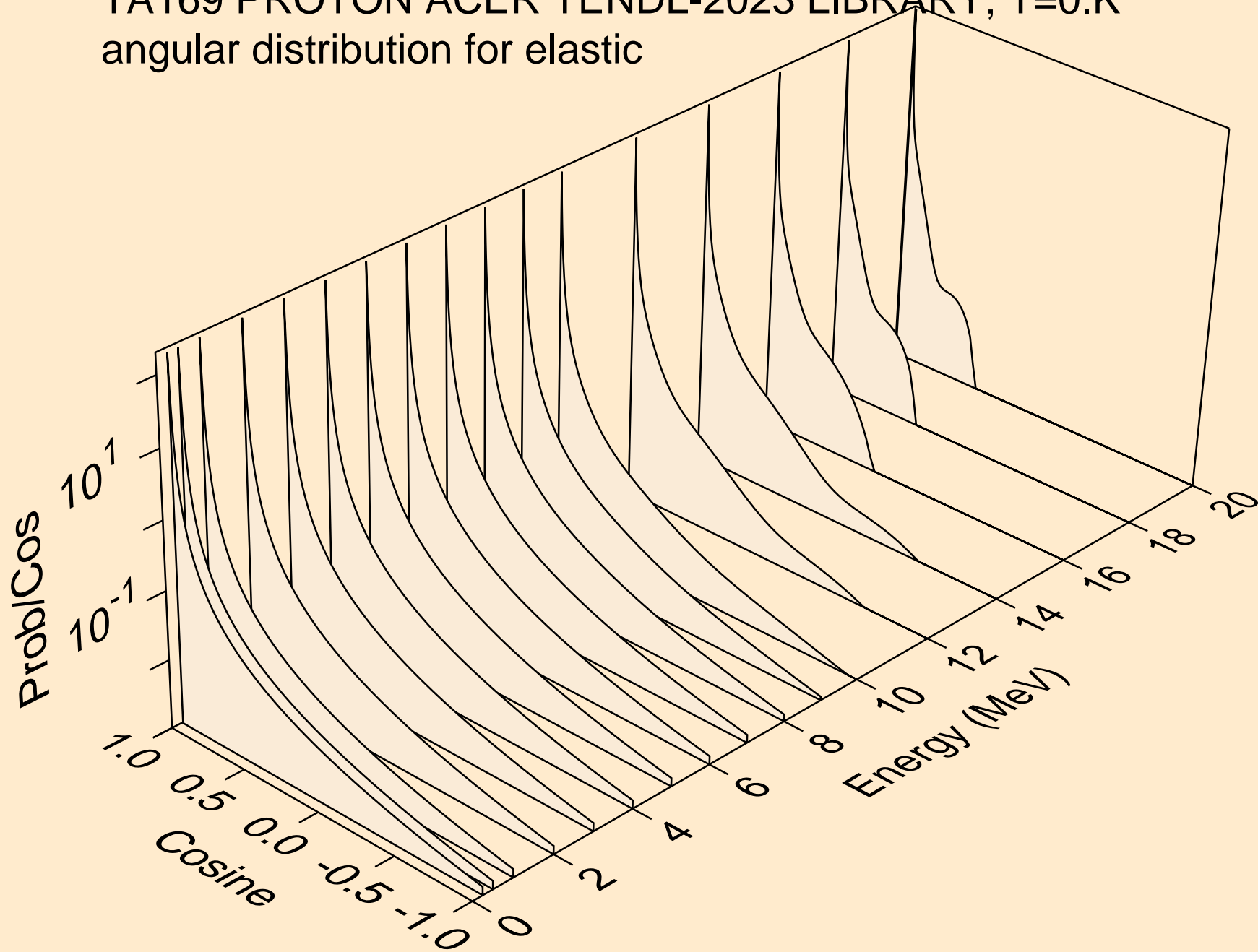
TA169 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



TA169 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

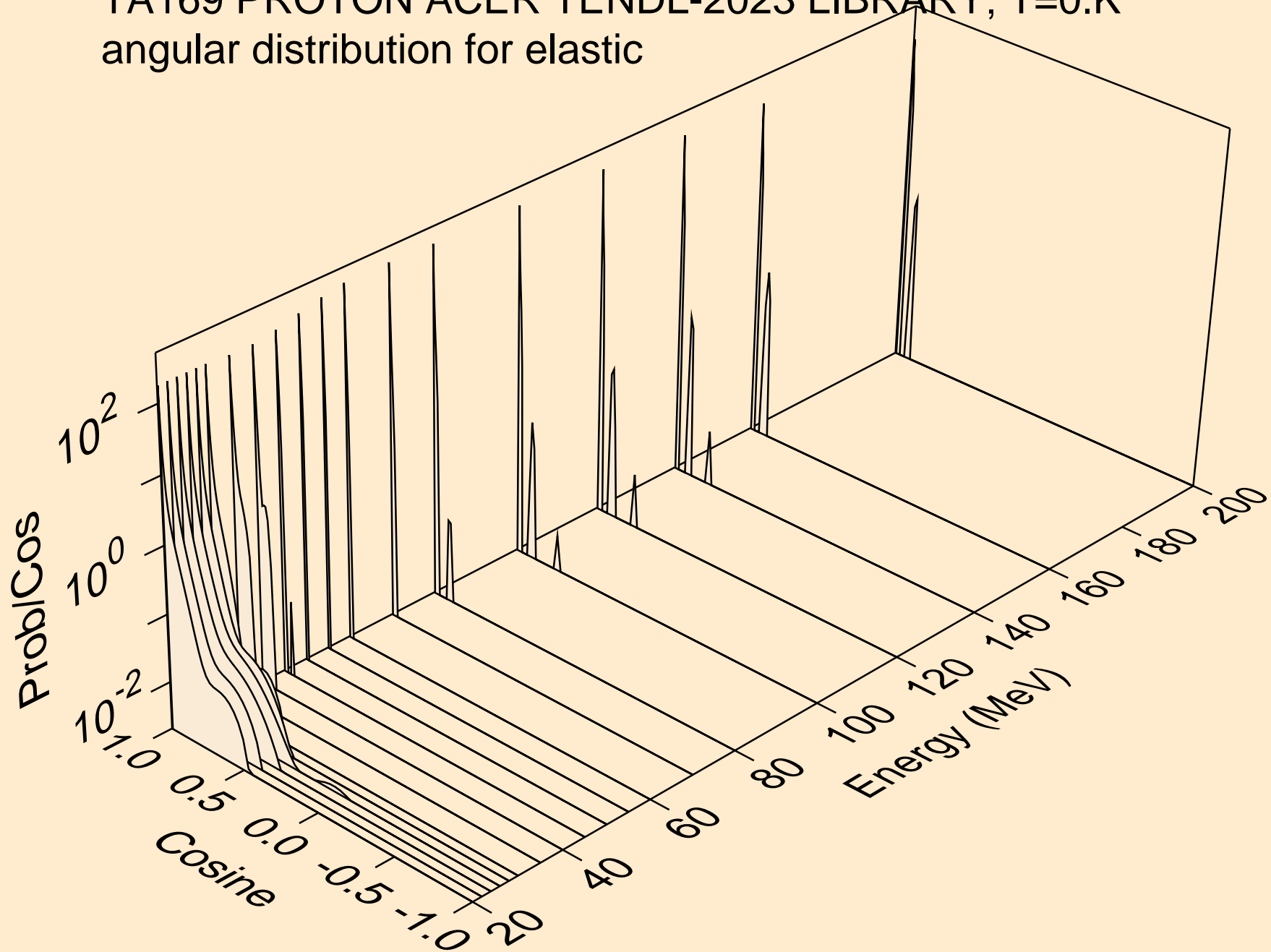


TA169 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

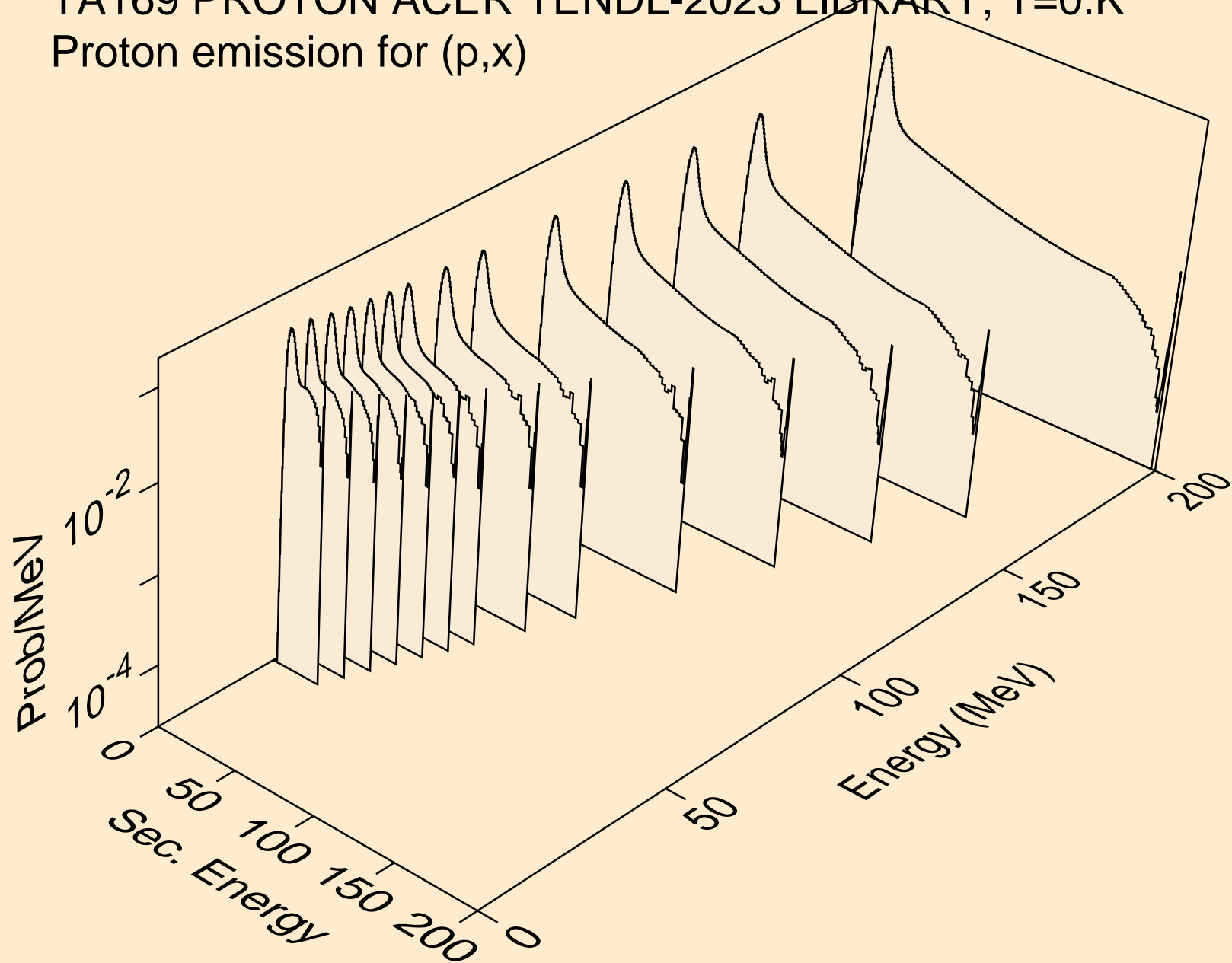




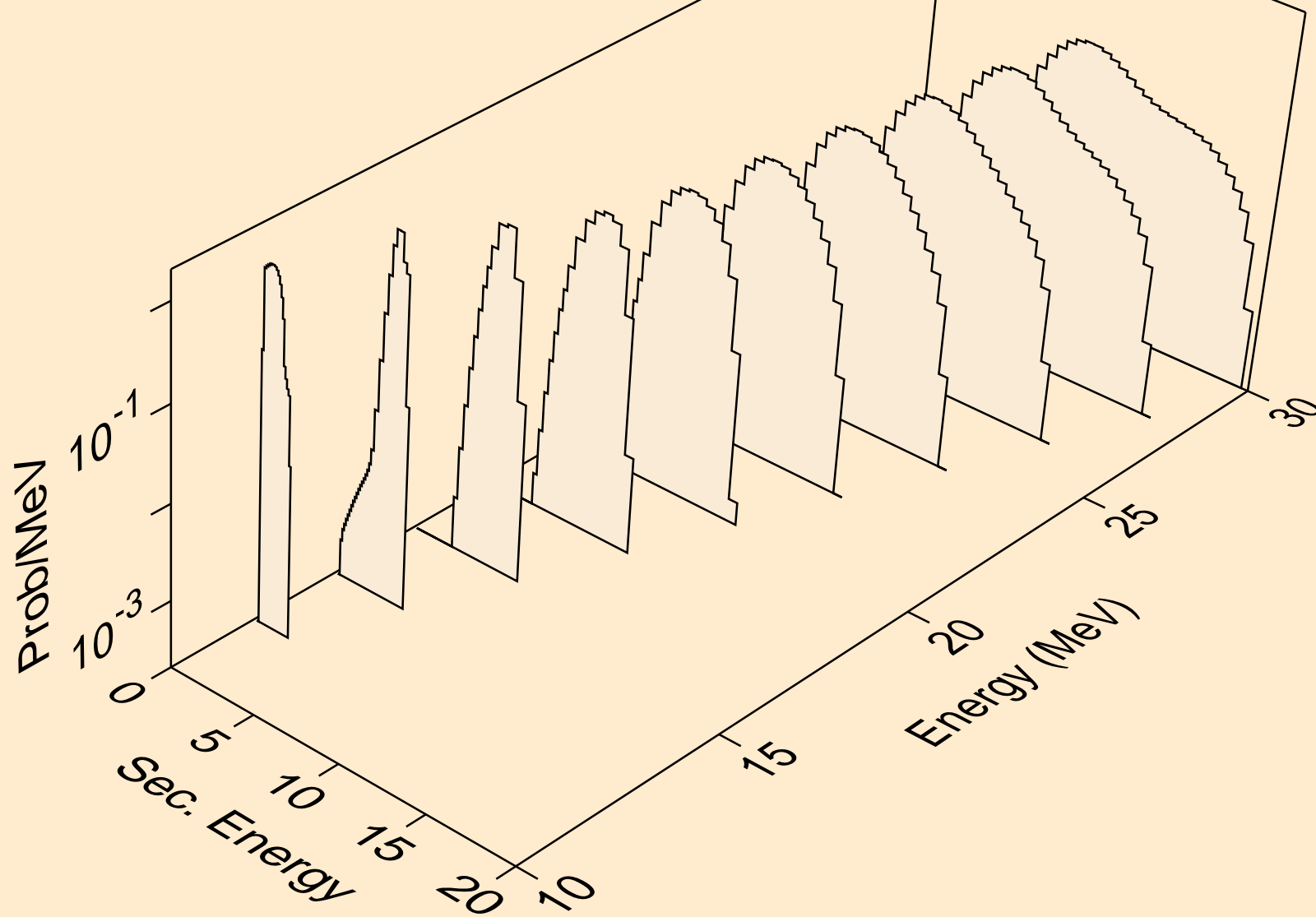
TA169 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



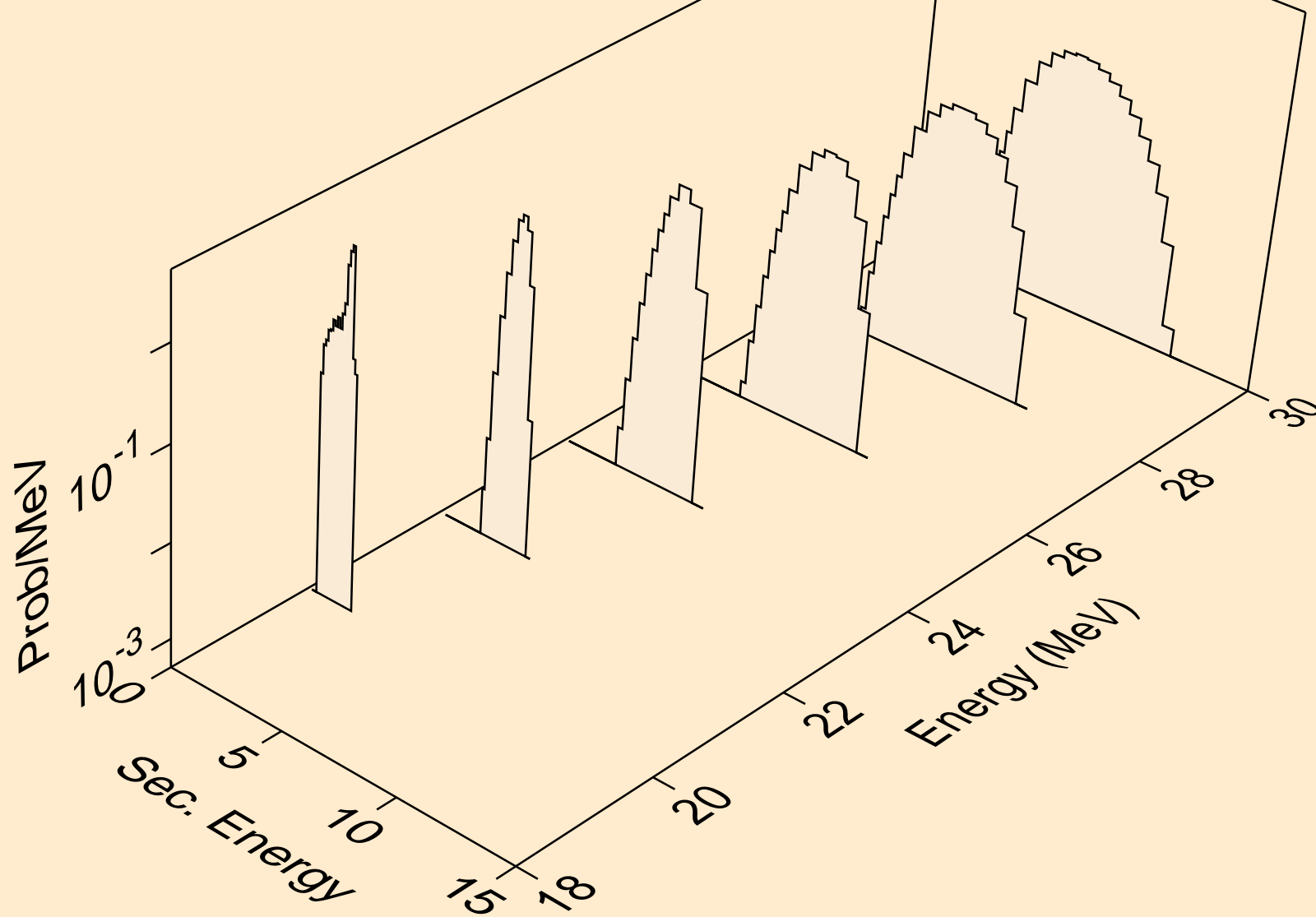
TA169 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,x)



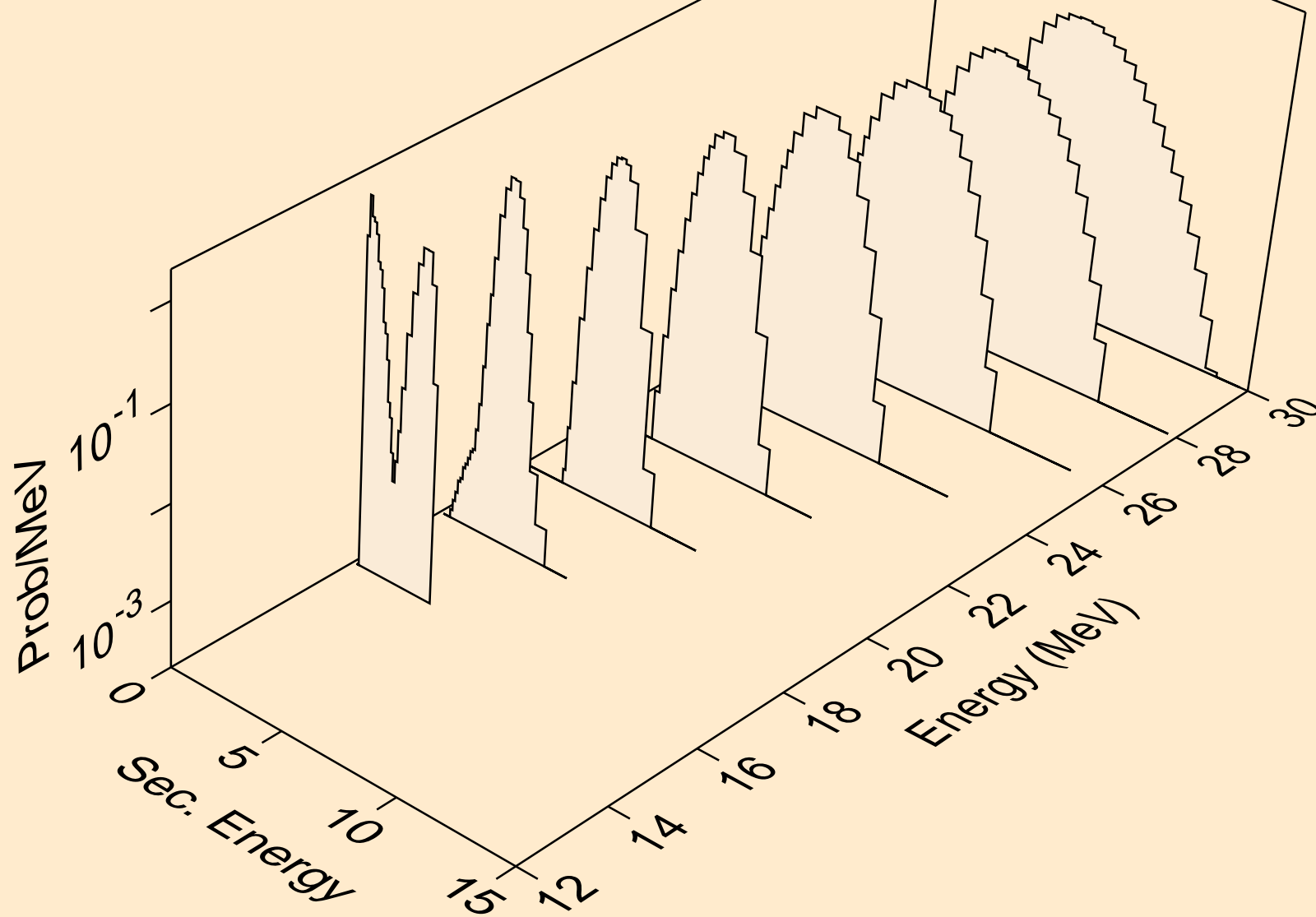
TA169 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



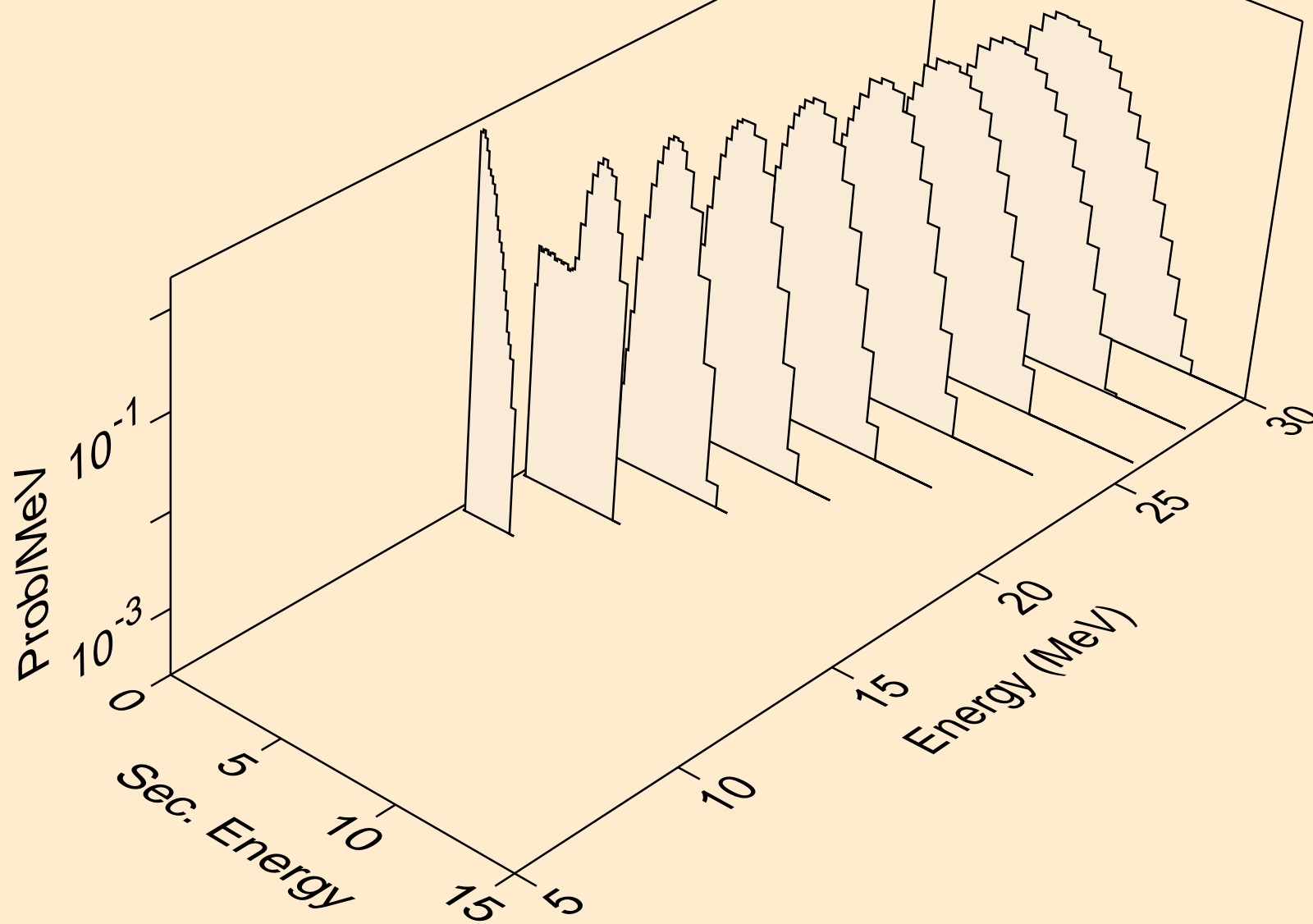
TA169 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2np)



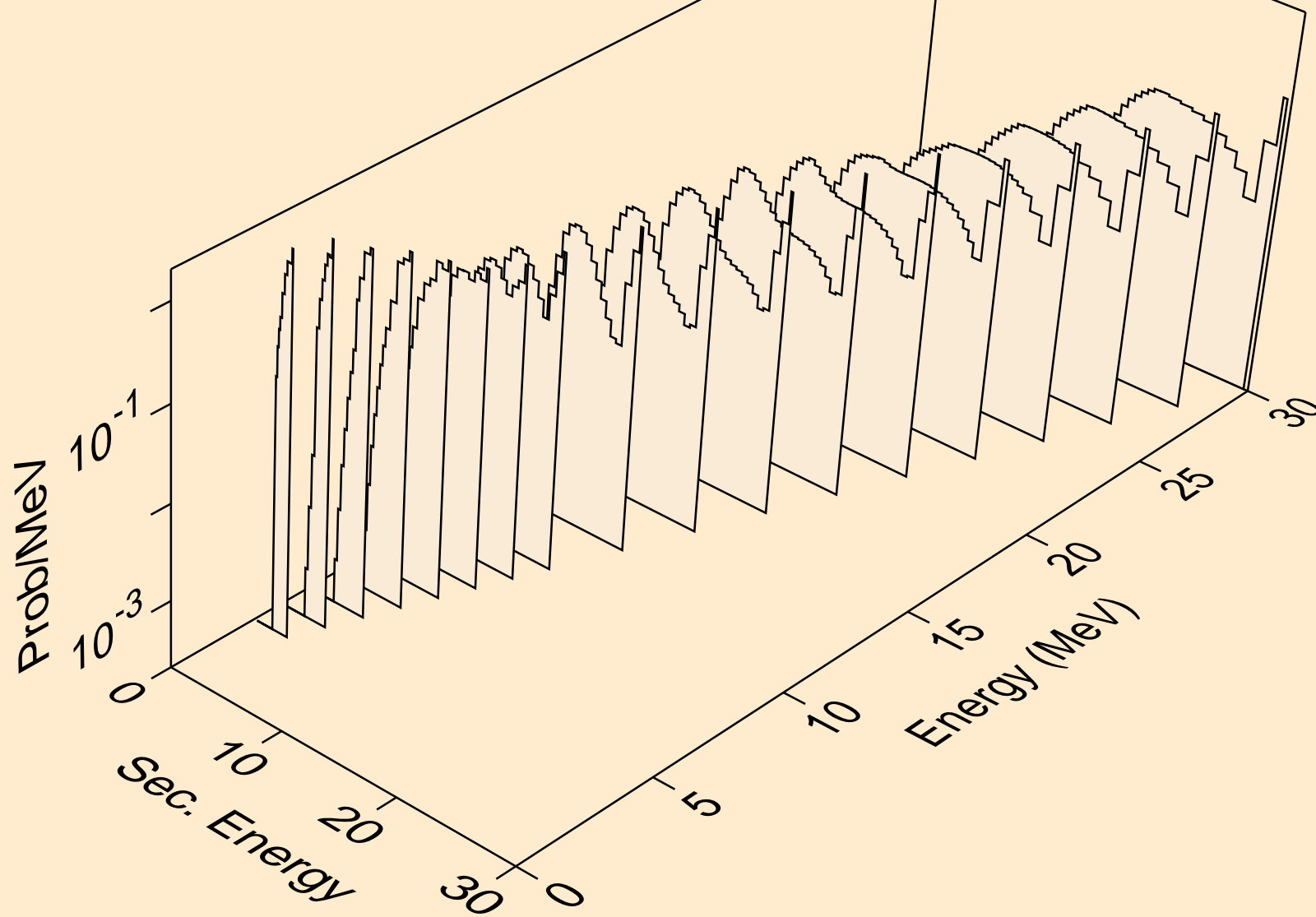
TA169 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n2p)



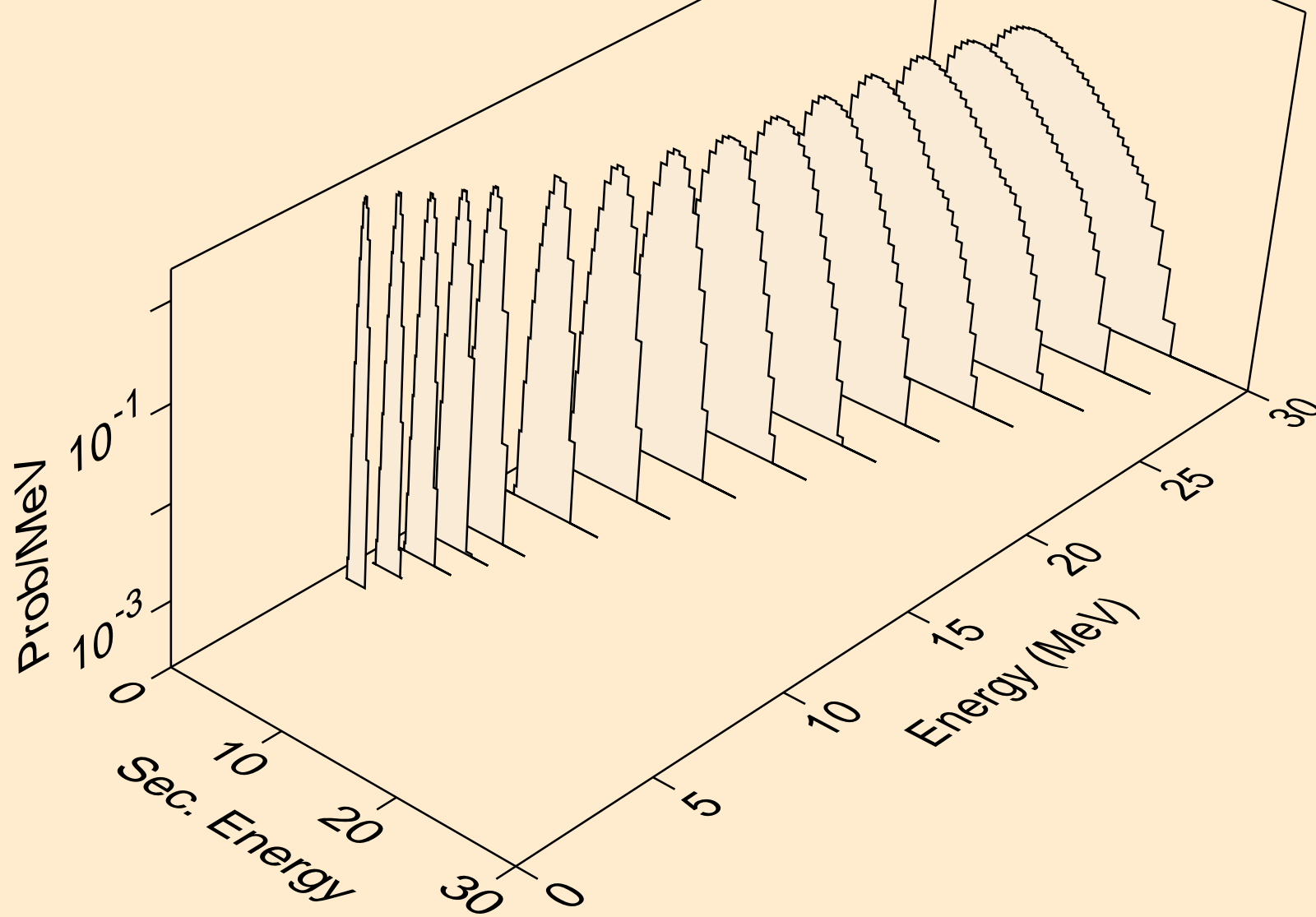
TA169 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,npa)



TA169 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for inelastic

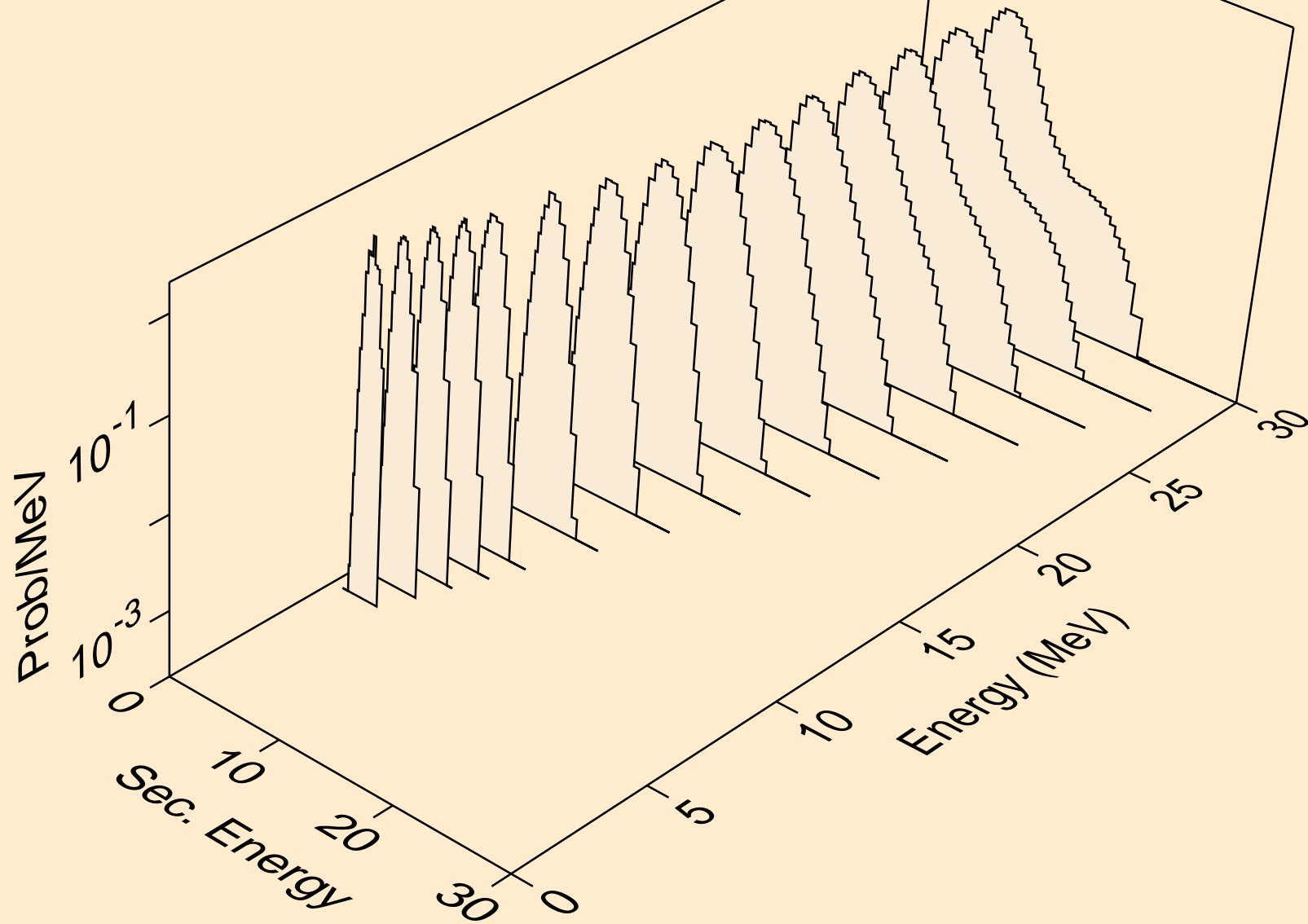


TA169 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2p)

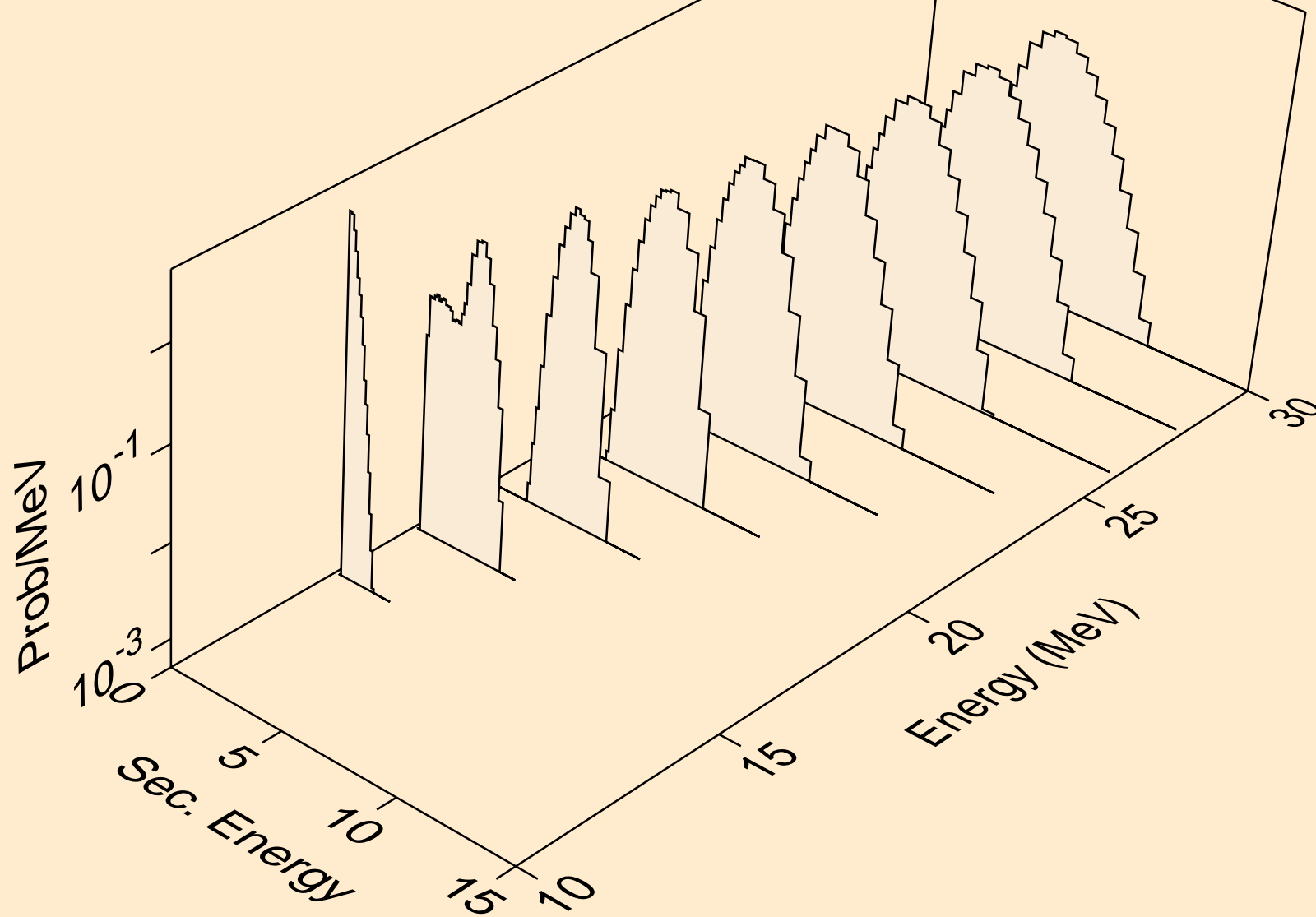




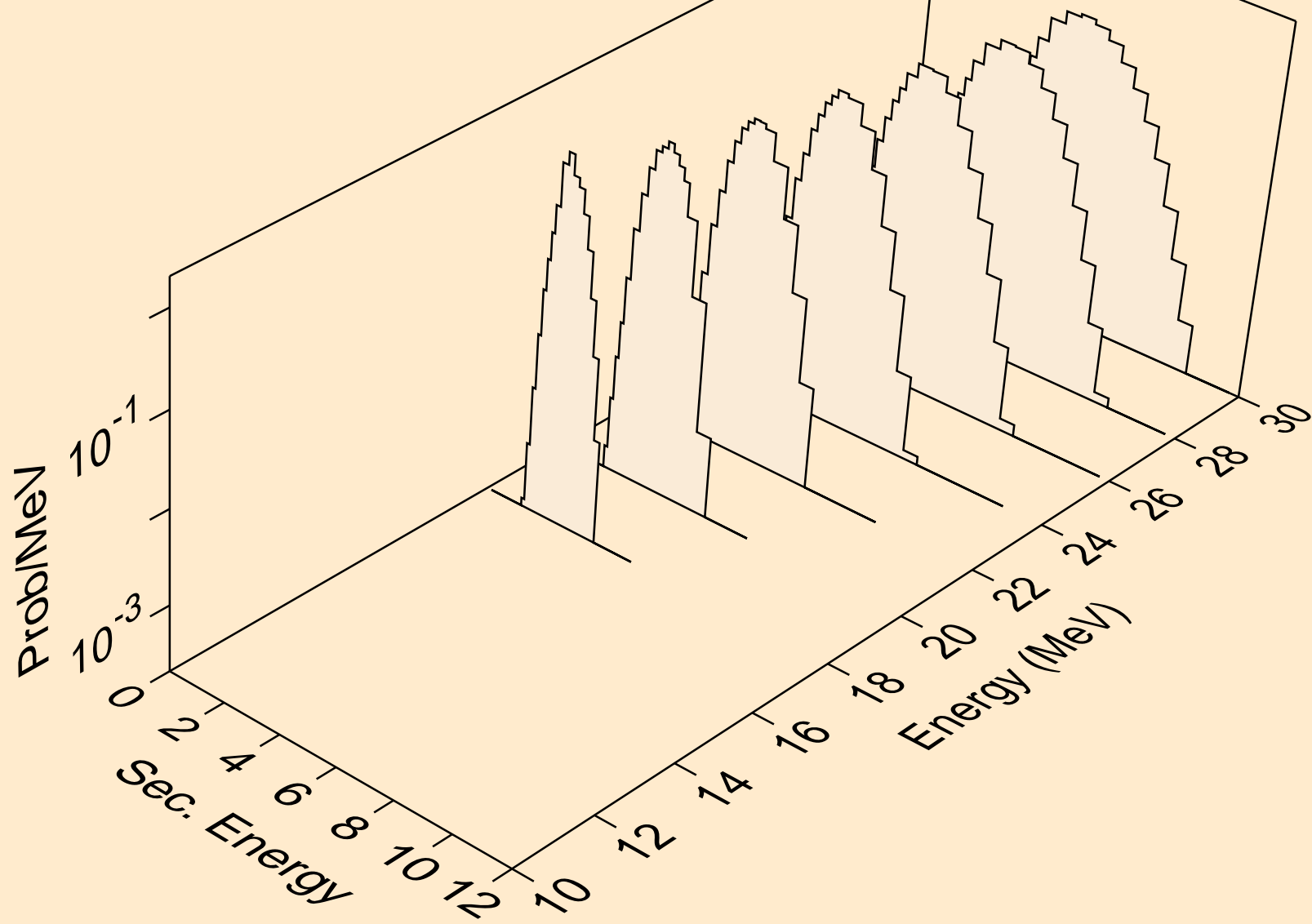
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Proton emission for (p,pa)



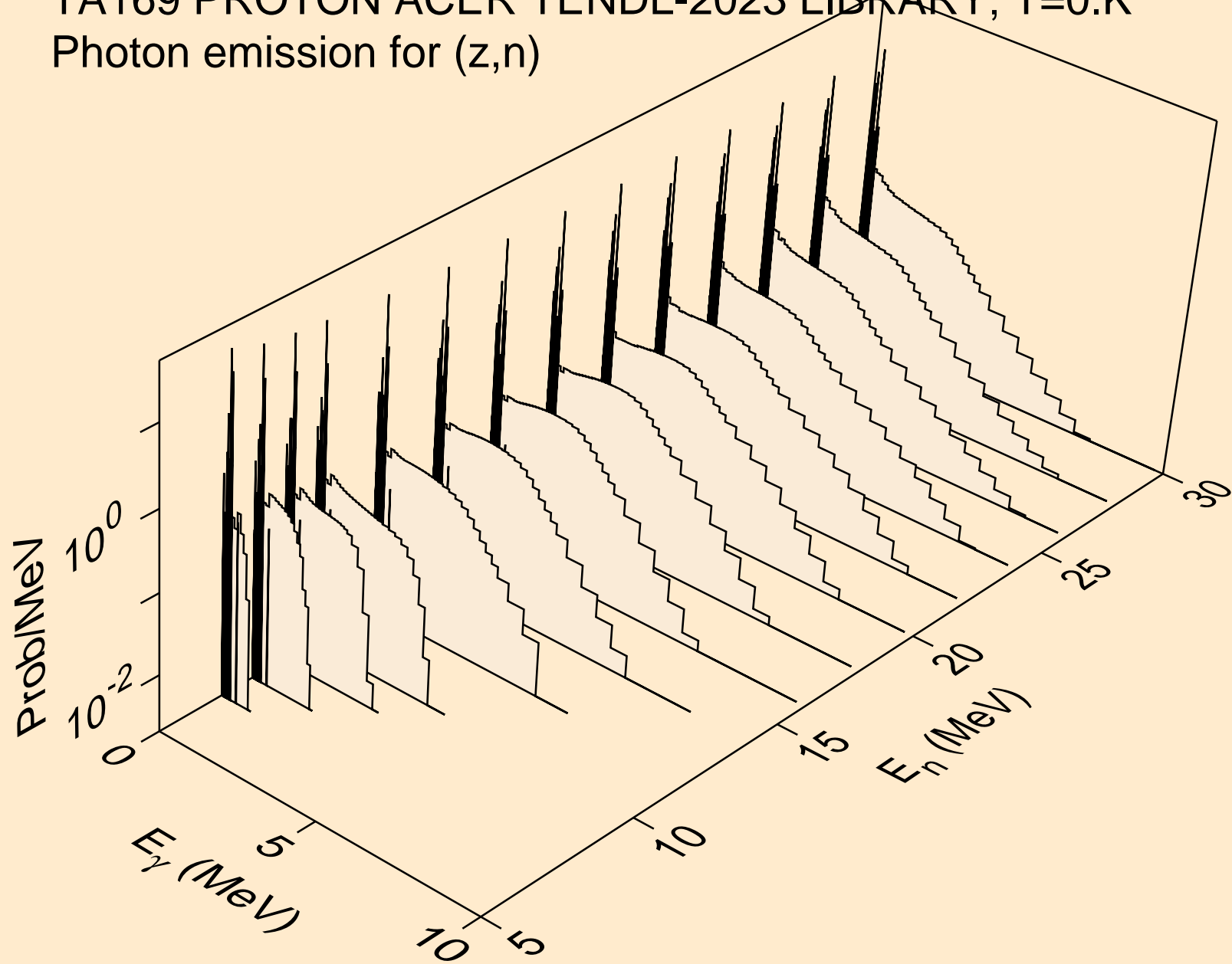
TA169 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pd)



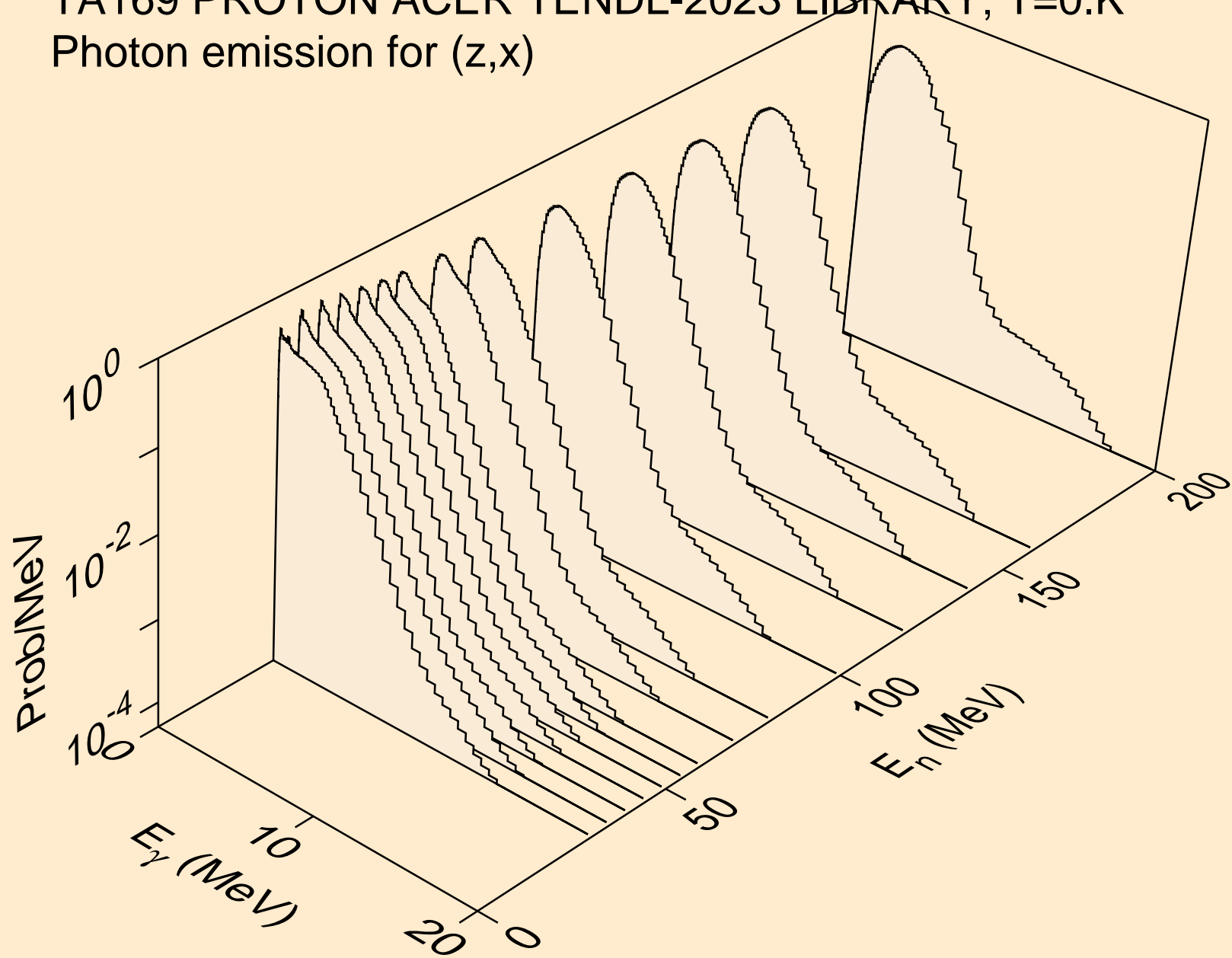
TA169 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pt)



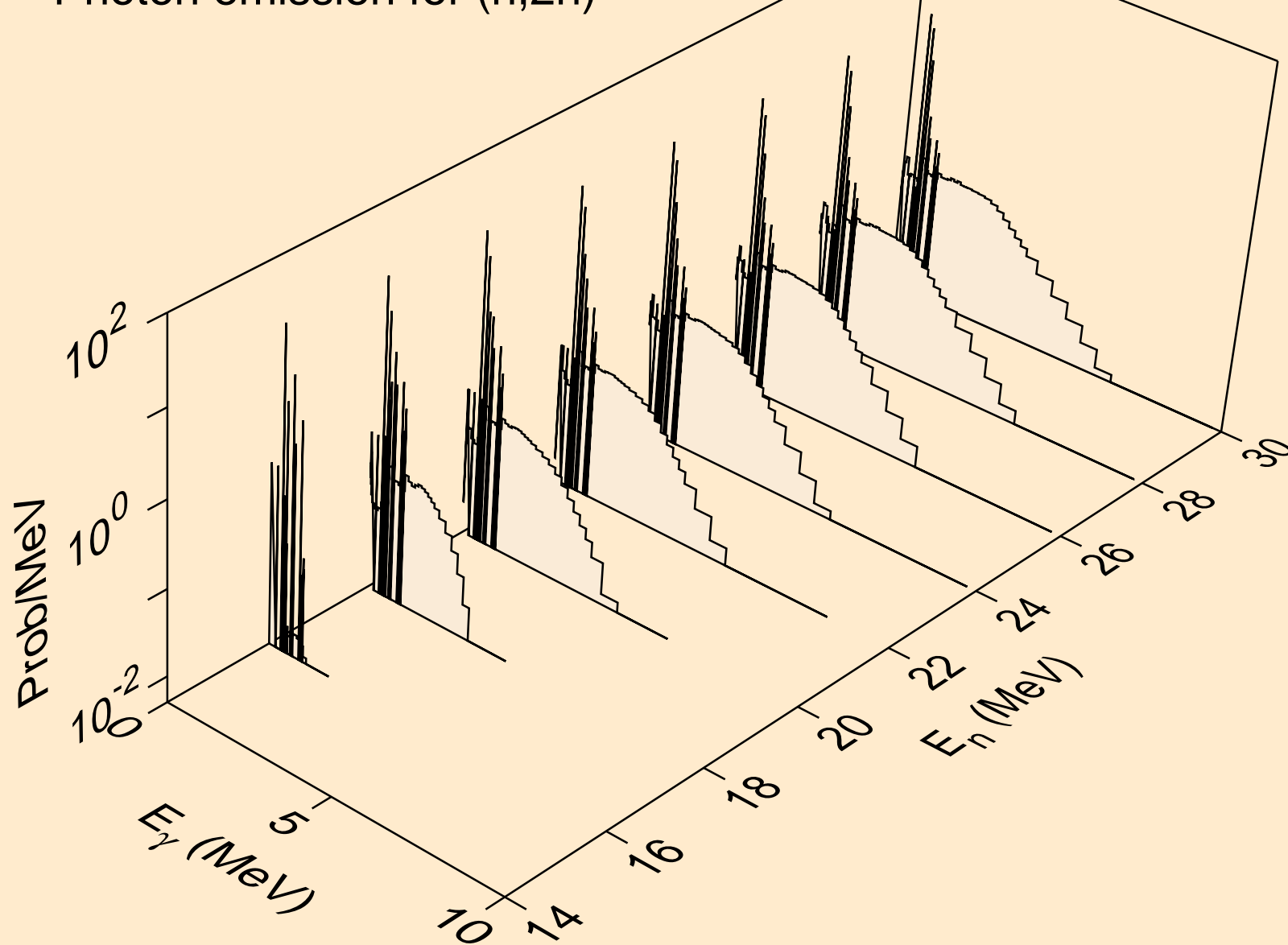
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Photon emission for (z,n)



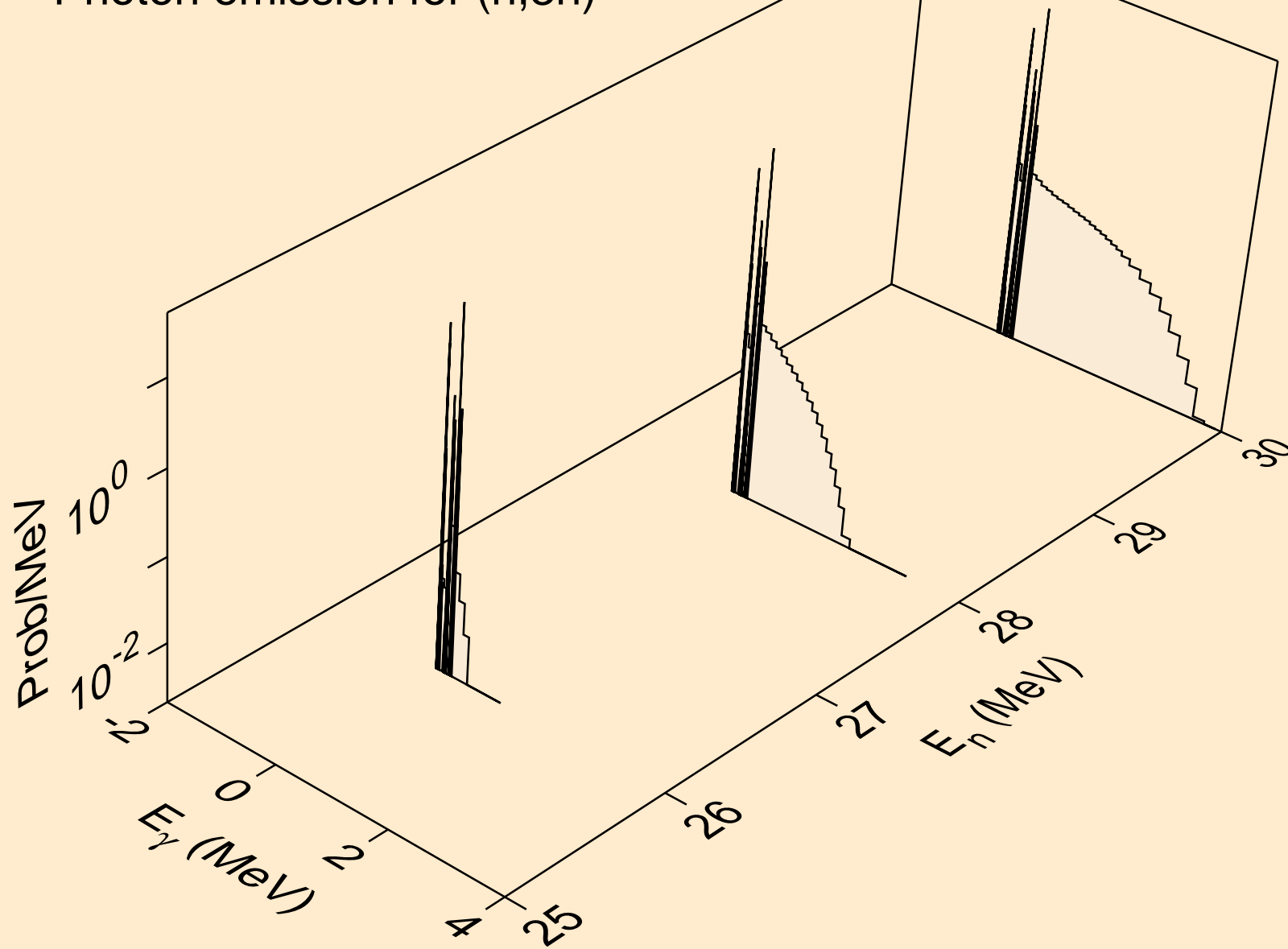
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Photon emission for (z,x)



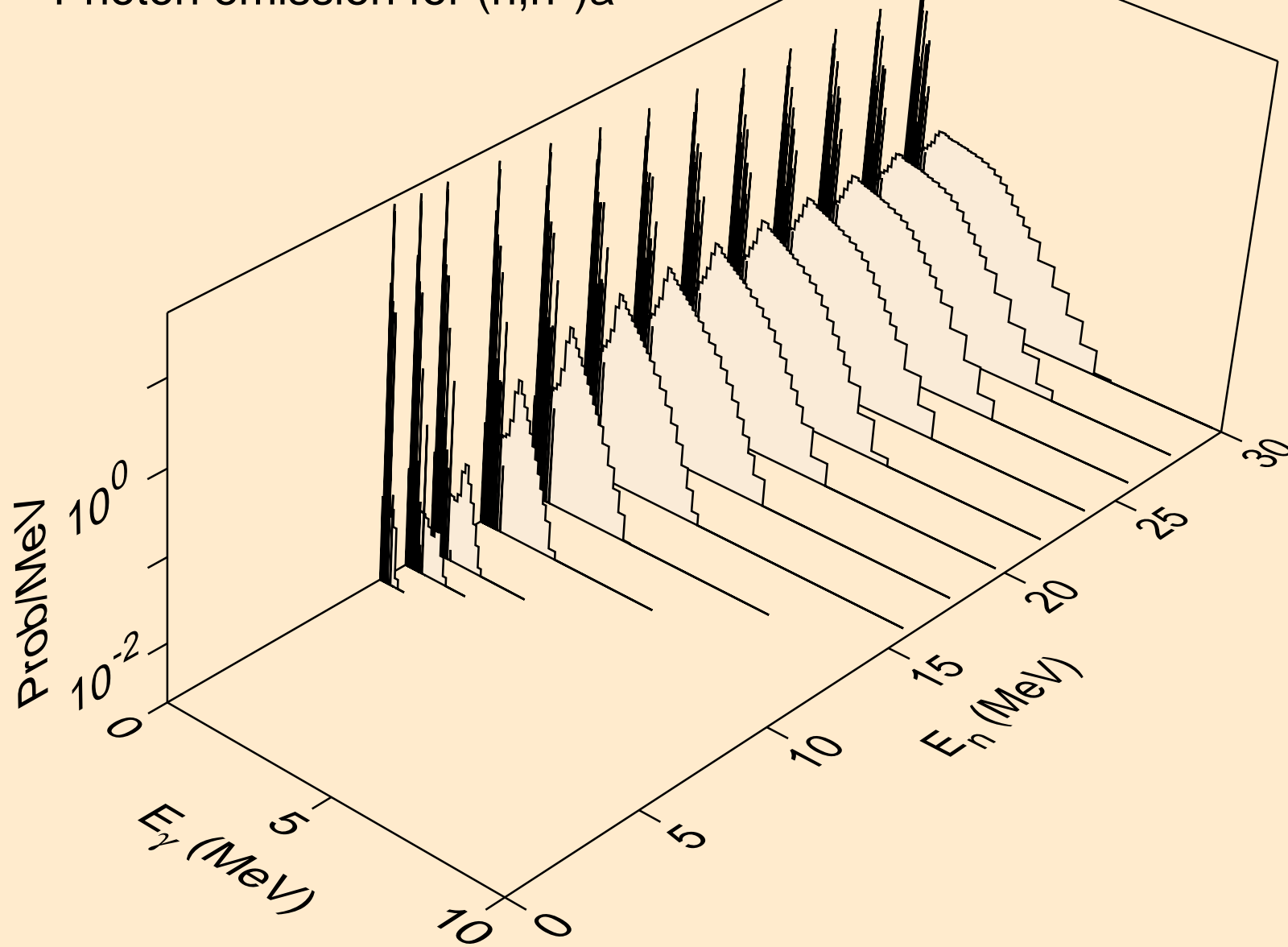
TA169 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



TA169 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)

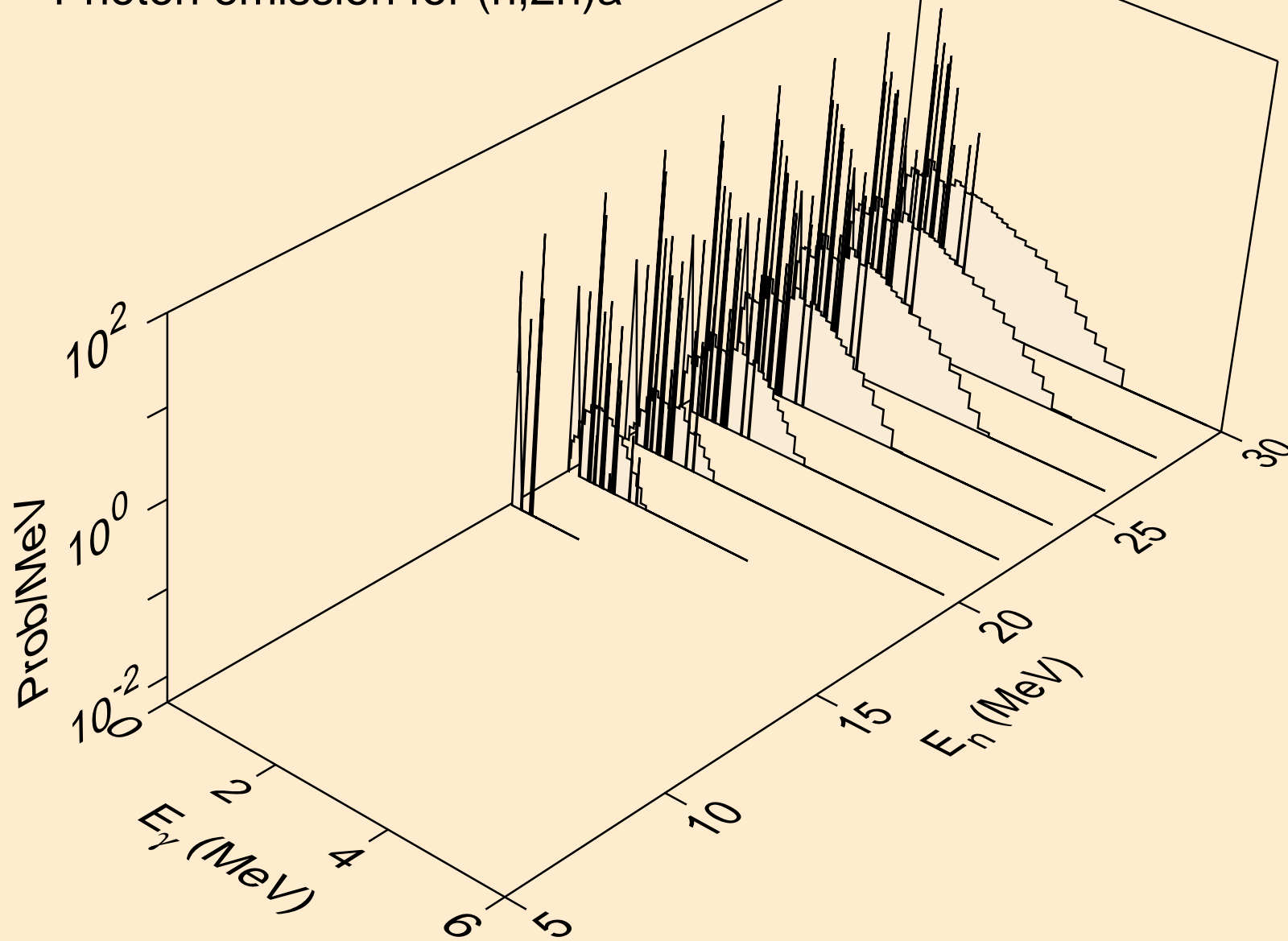


TA169 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

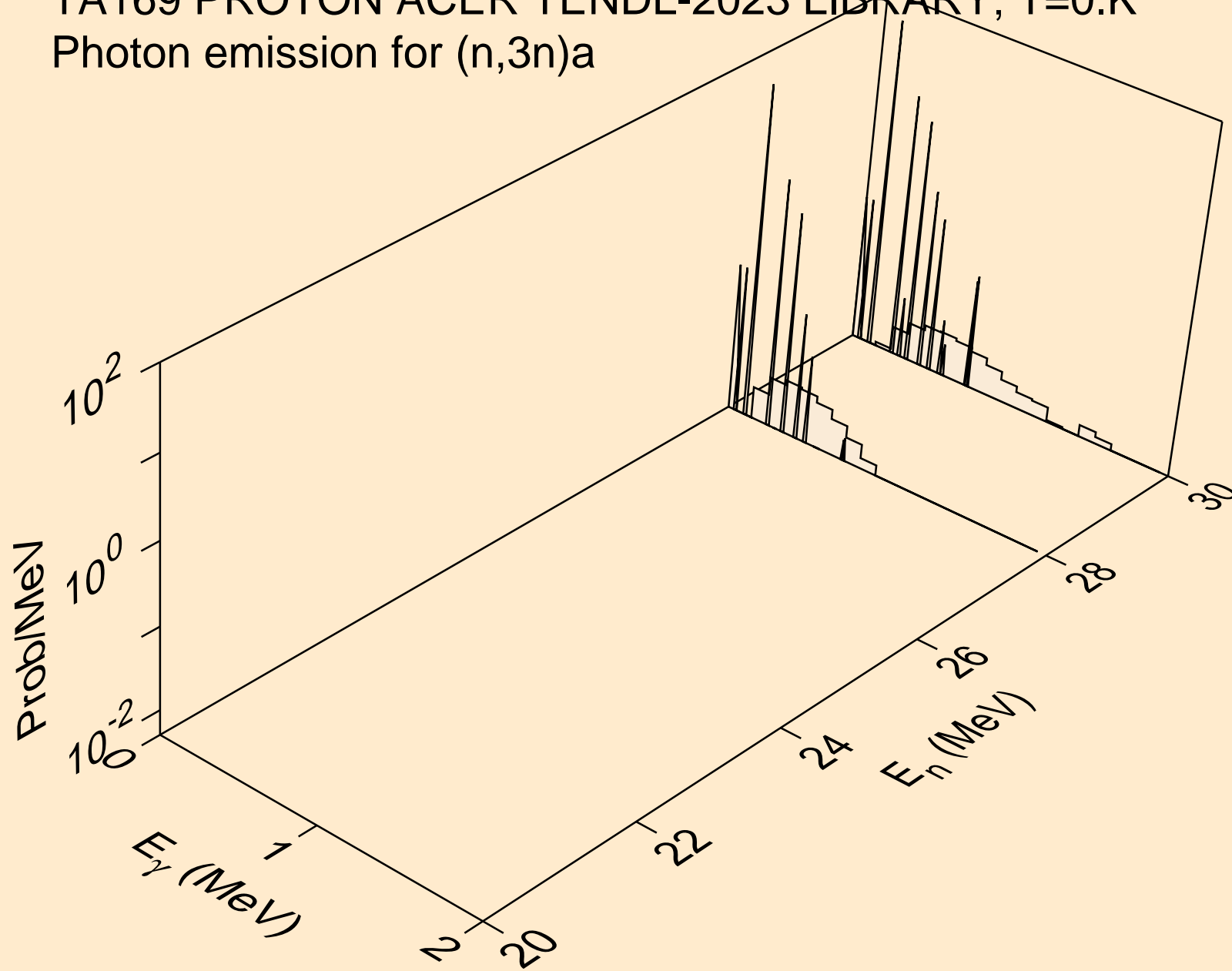




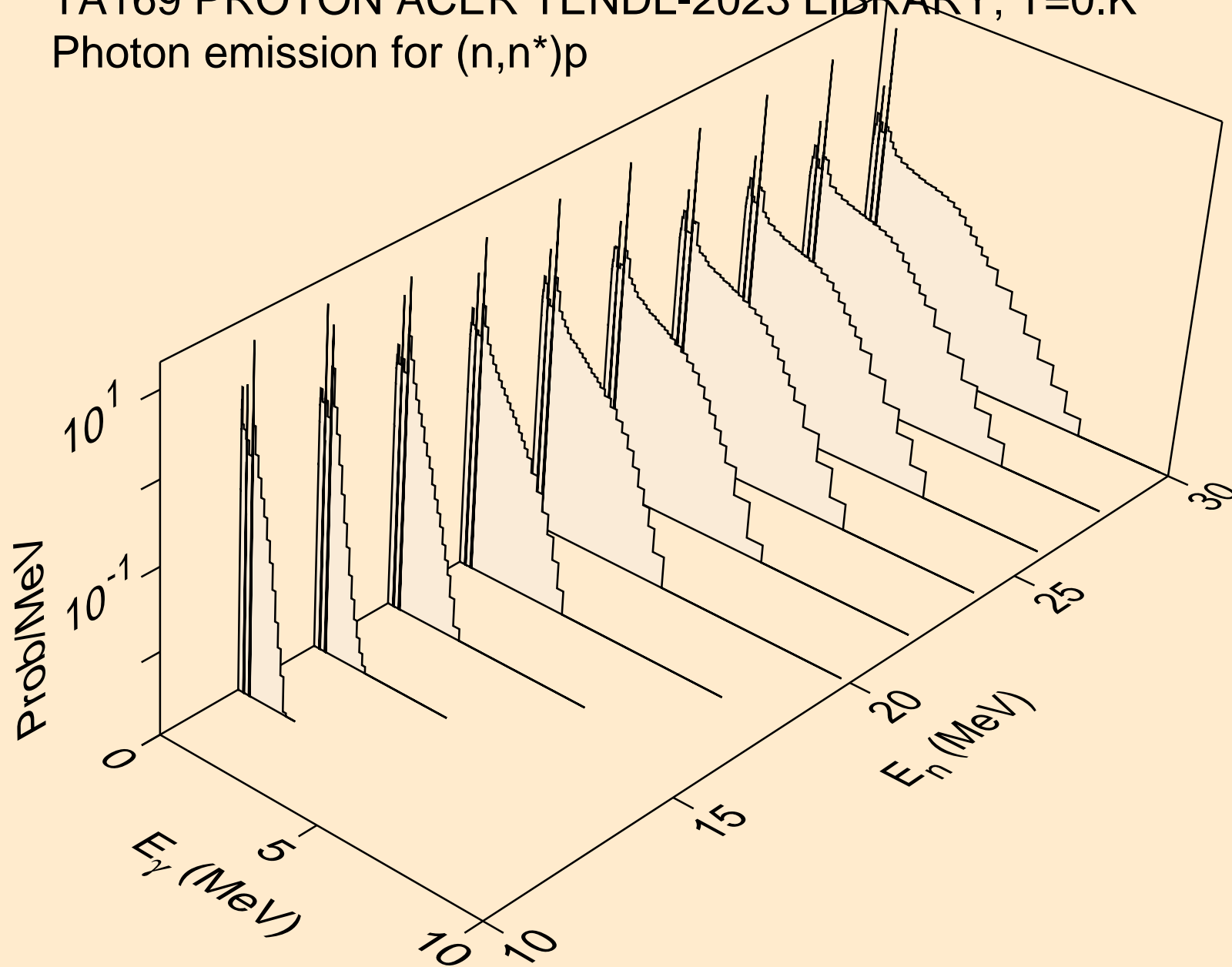
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Photon emission for (n,2n)a



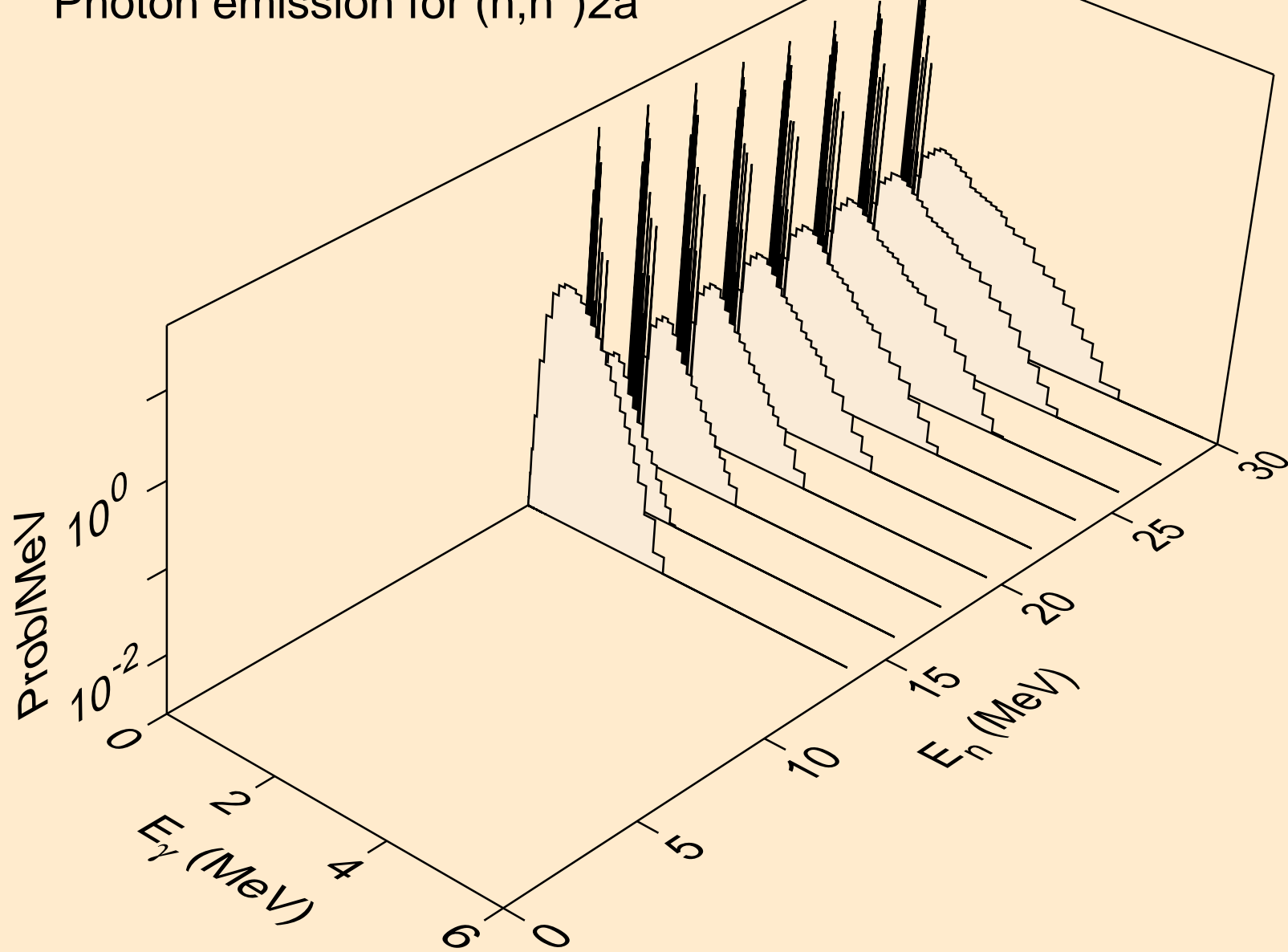
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Photon emission for (n,3n)a



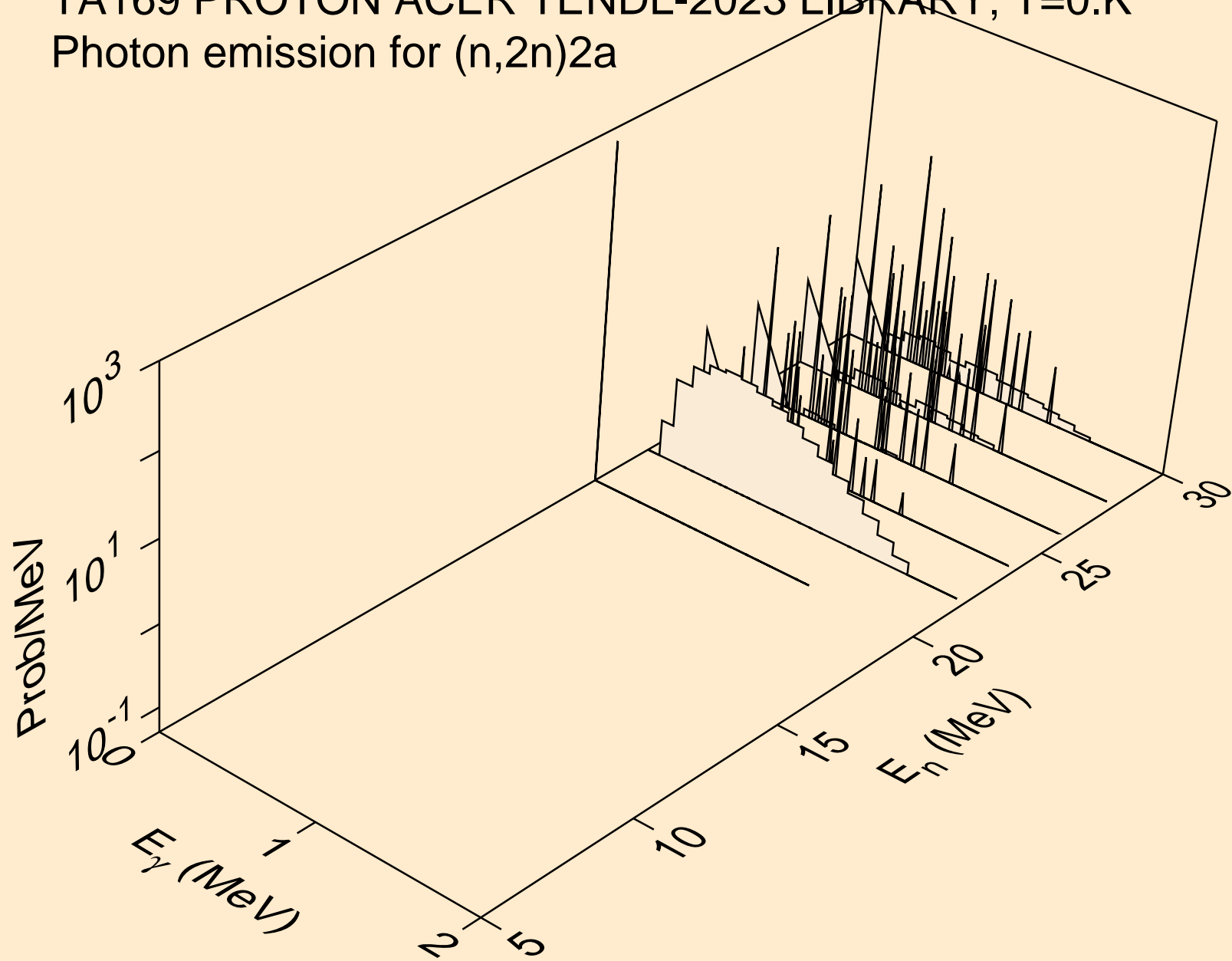
TA169 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



TA169 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a

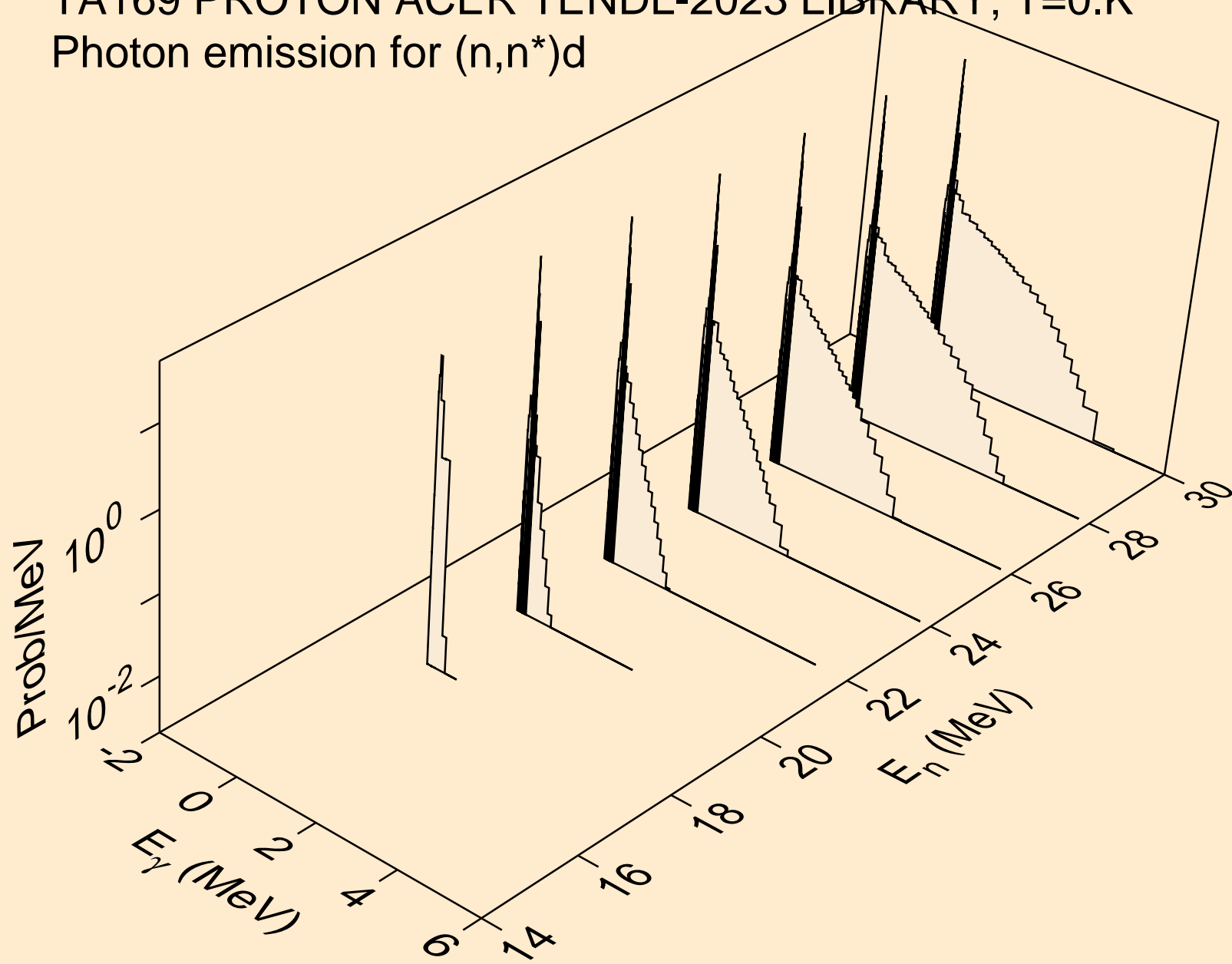


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Photon emission for (n,2n)2a

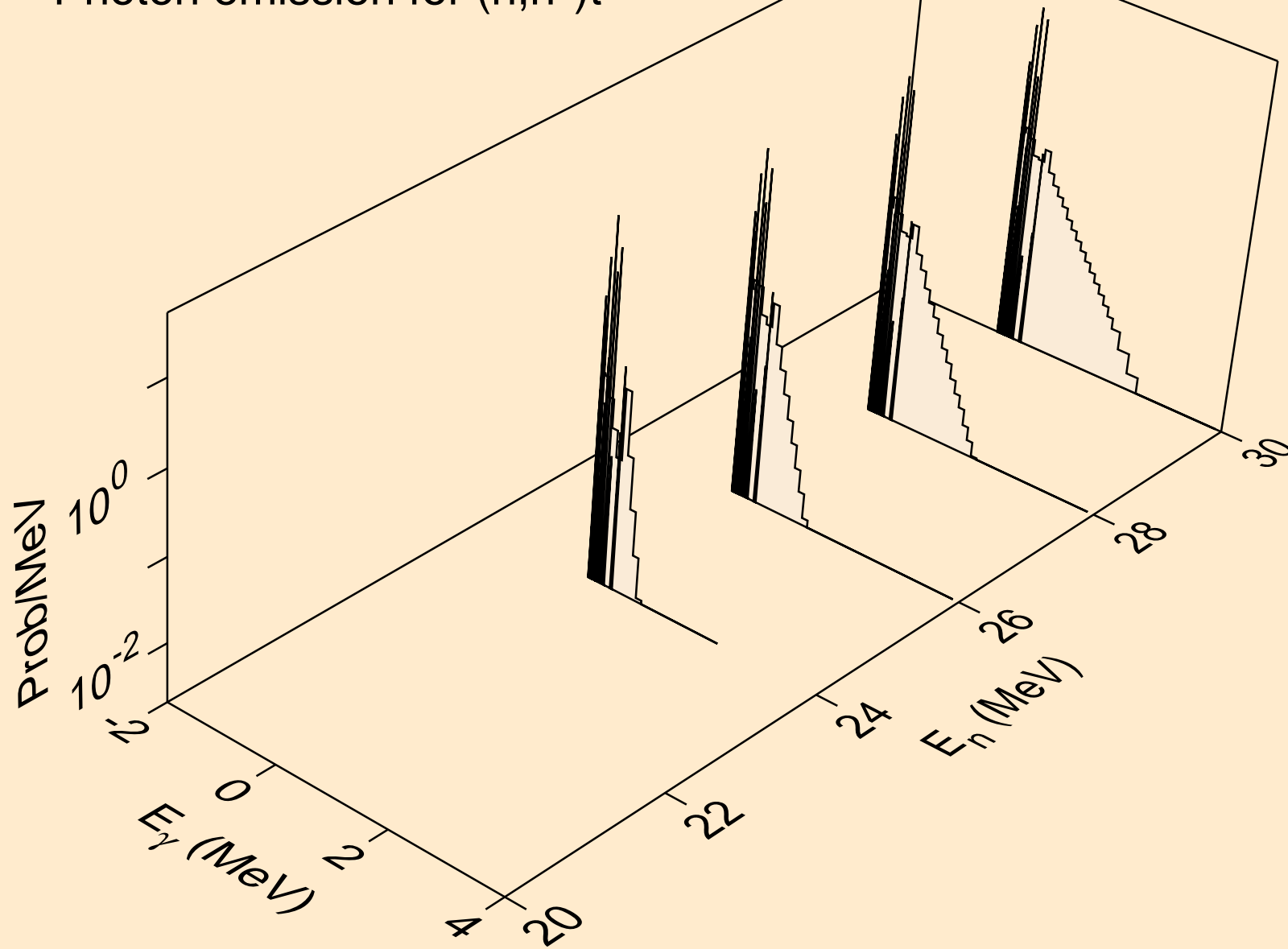


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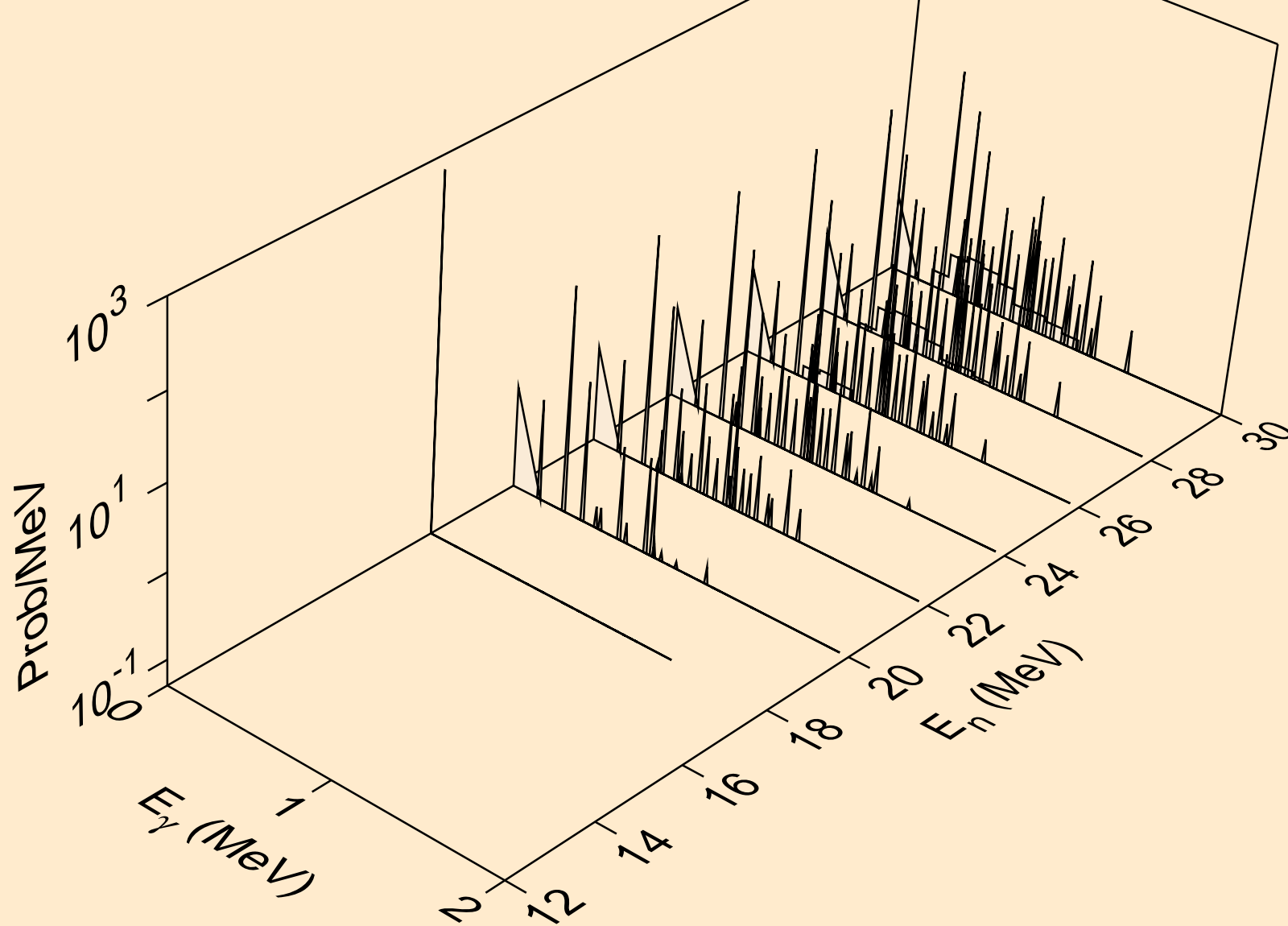
Photon emission for (n,n\*)d



TA169 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

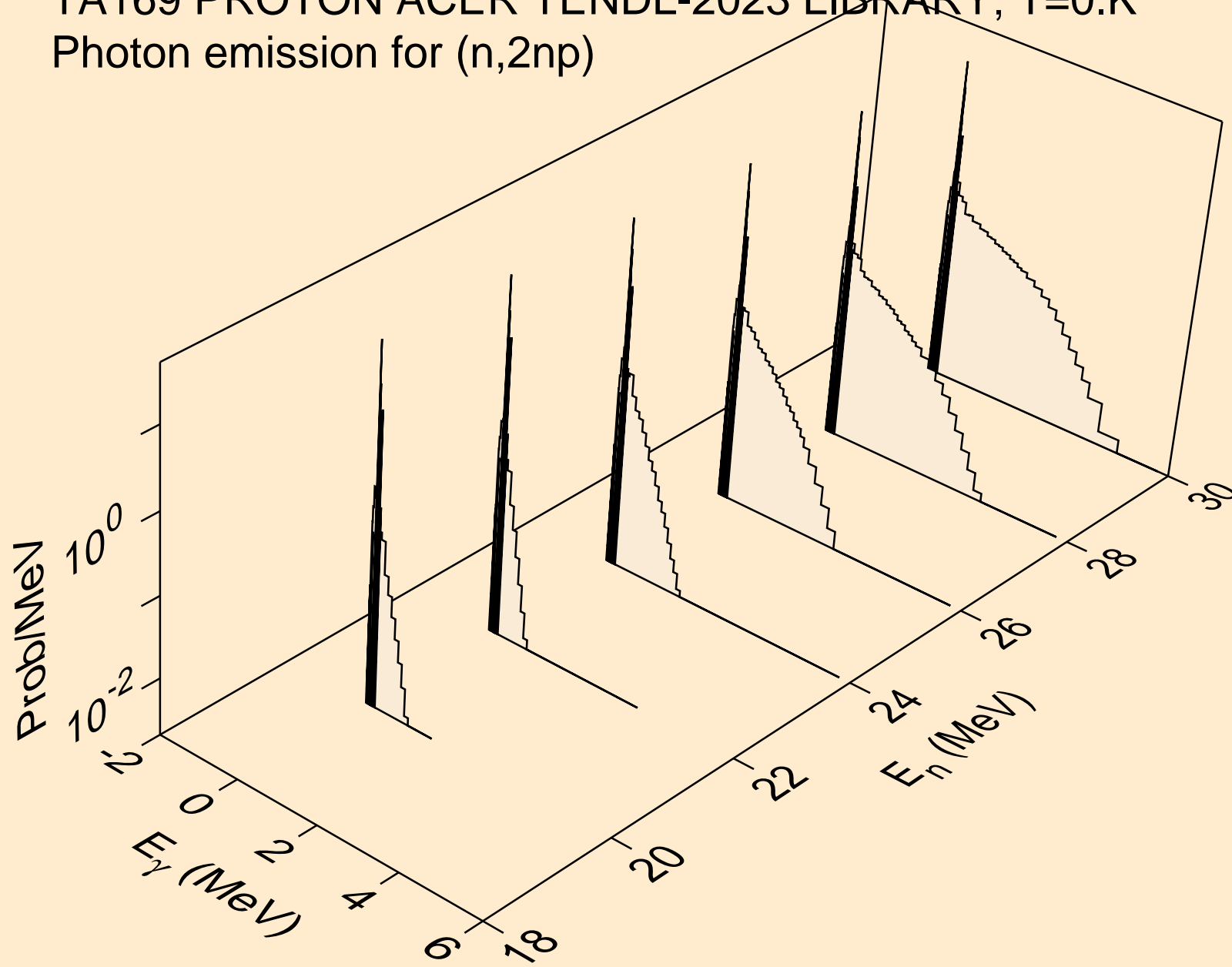


TA169 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

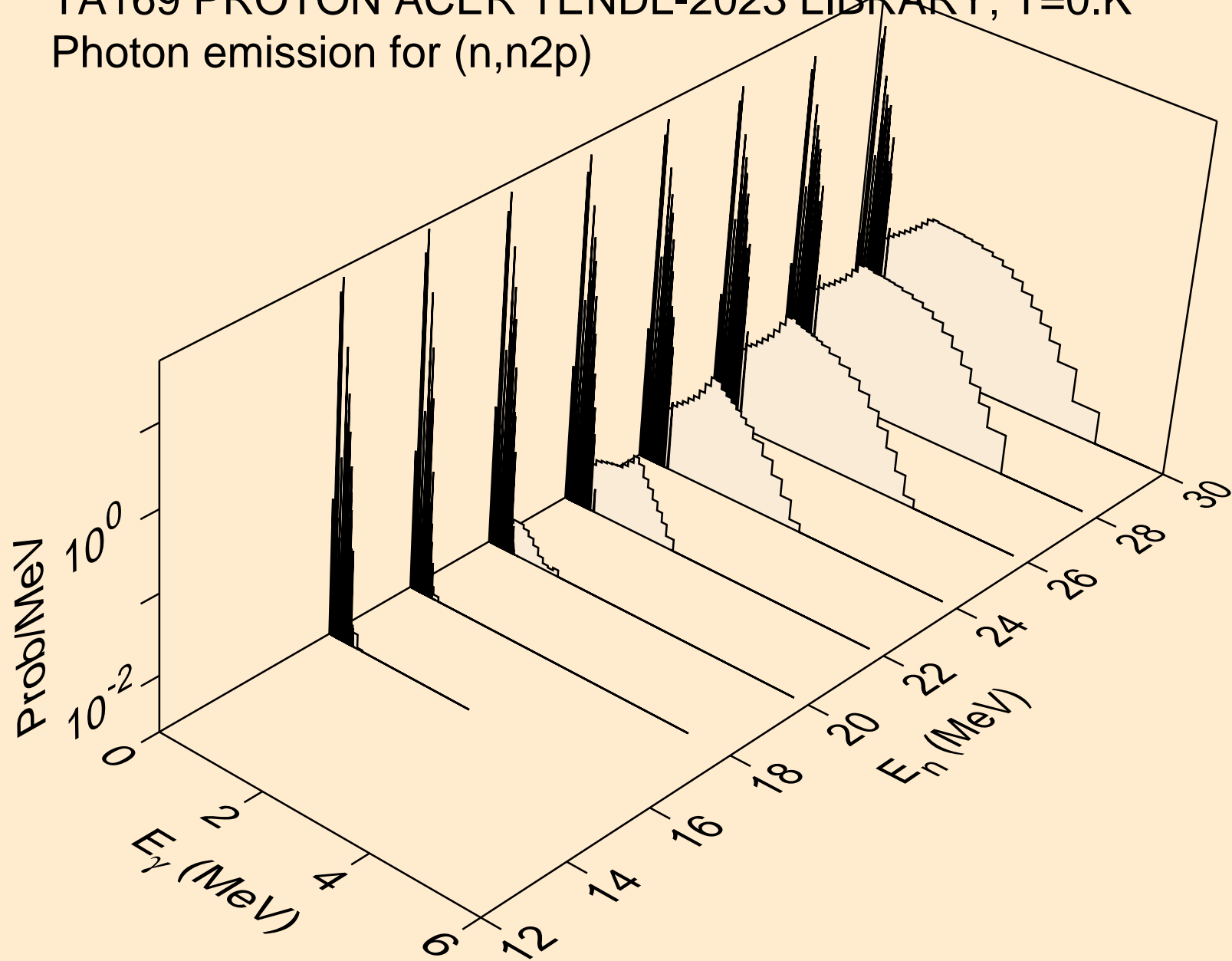




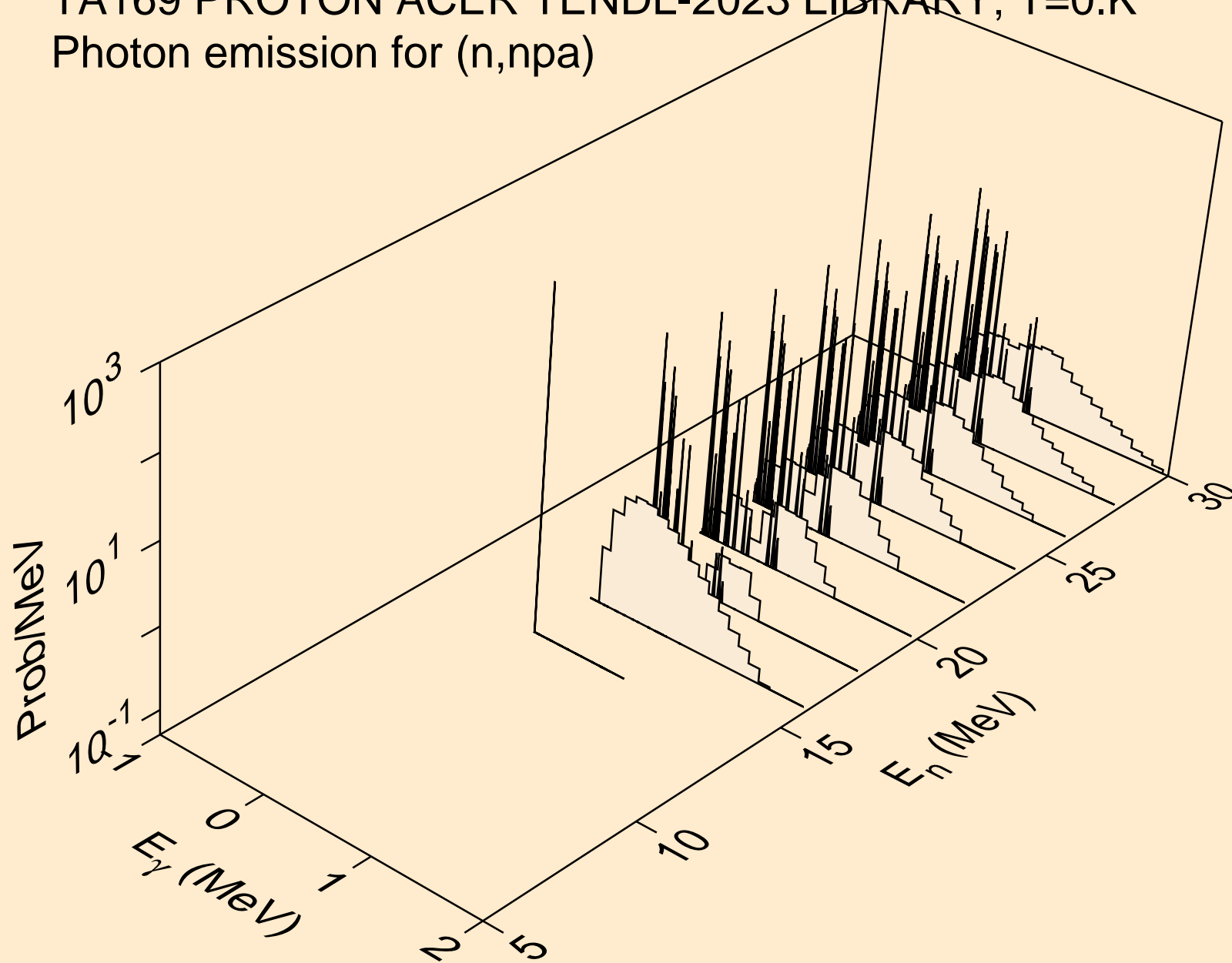
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Photon emission for (n,2np)



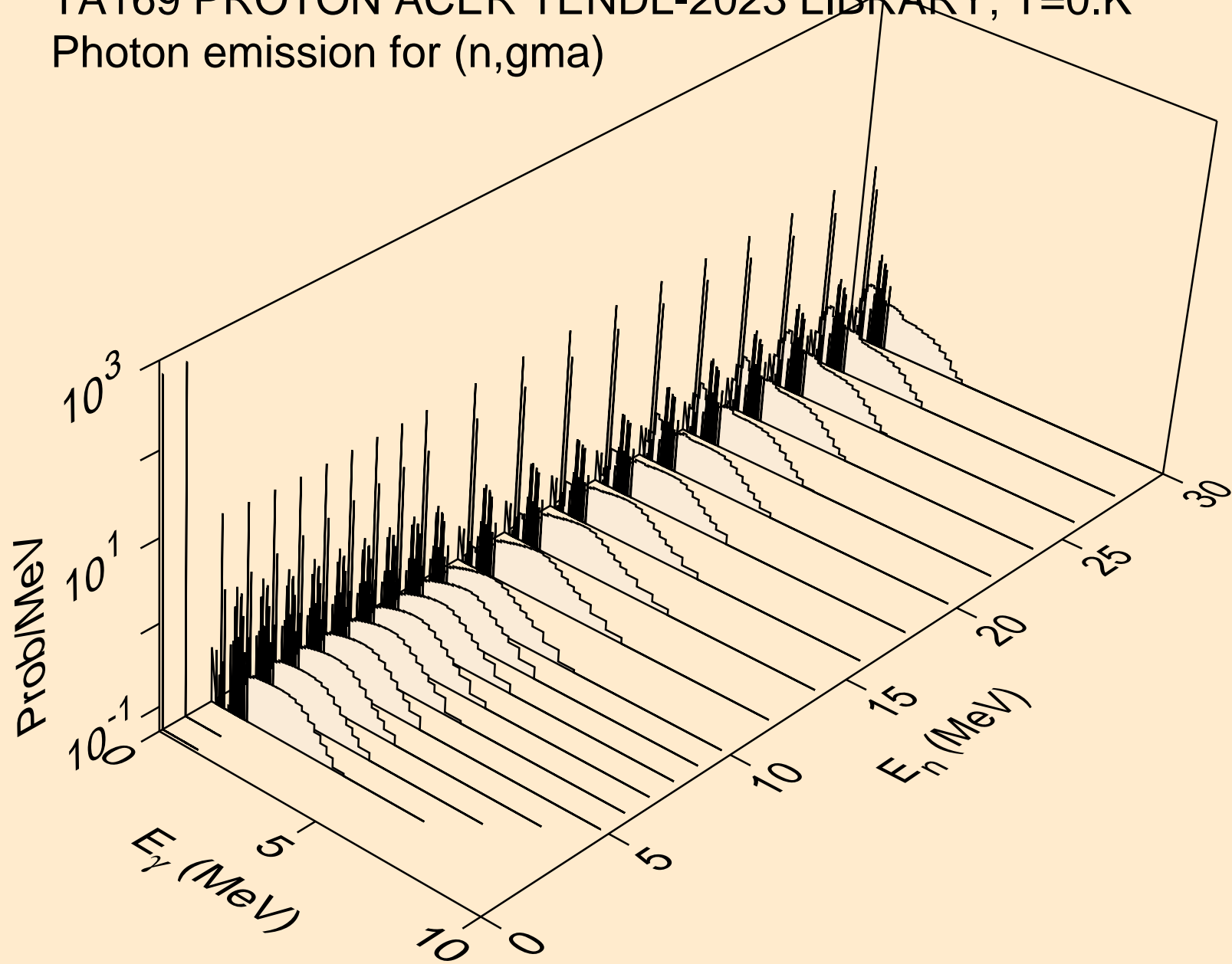
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Photon emission for (n,n2p)



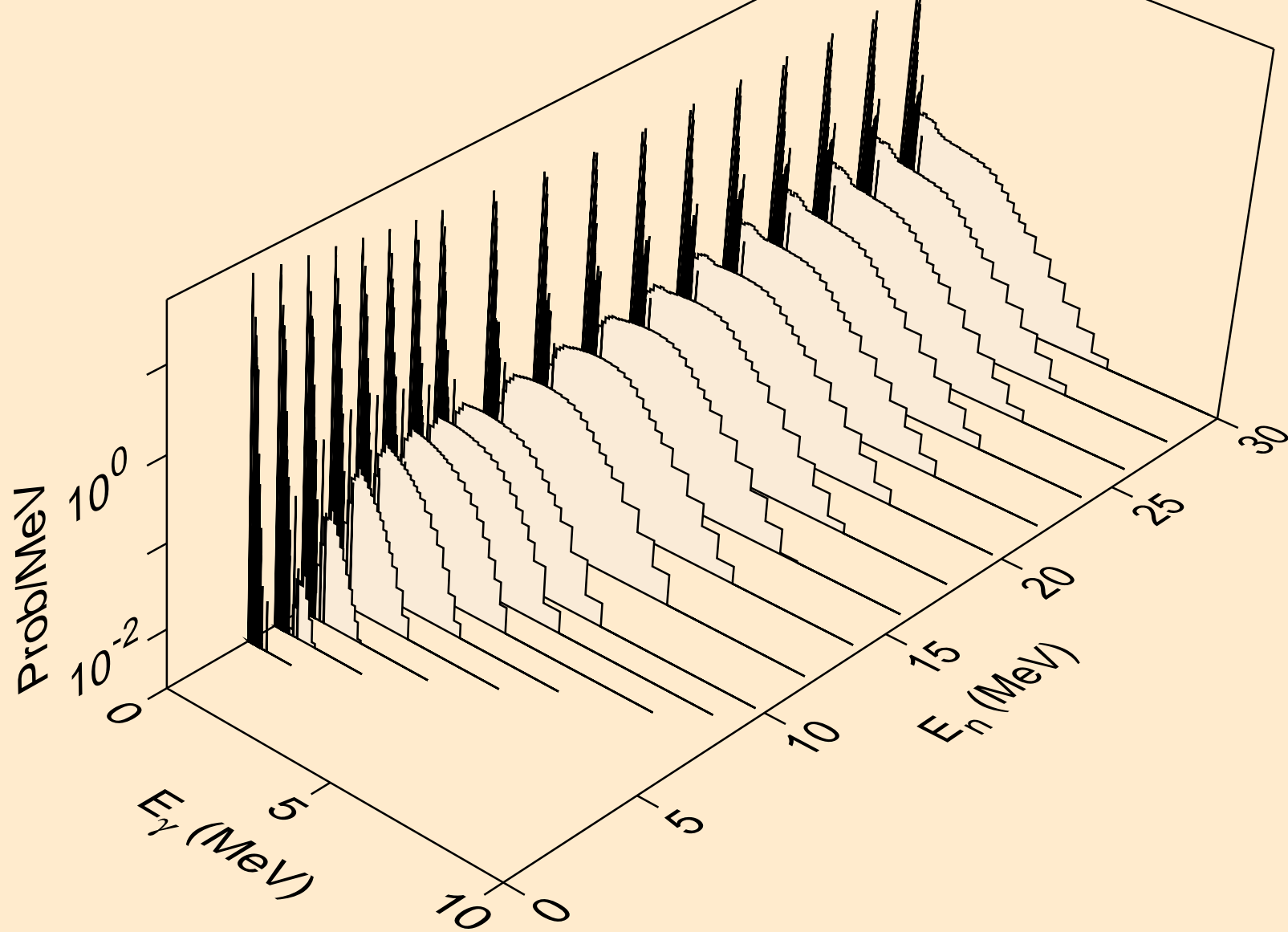
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Photon emission for (n,npa)



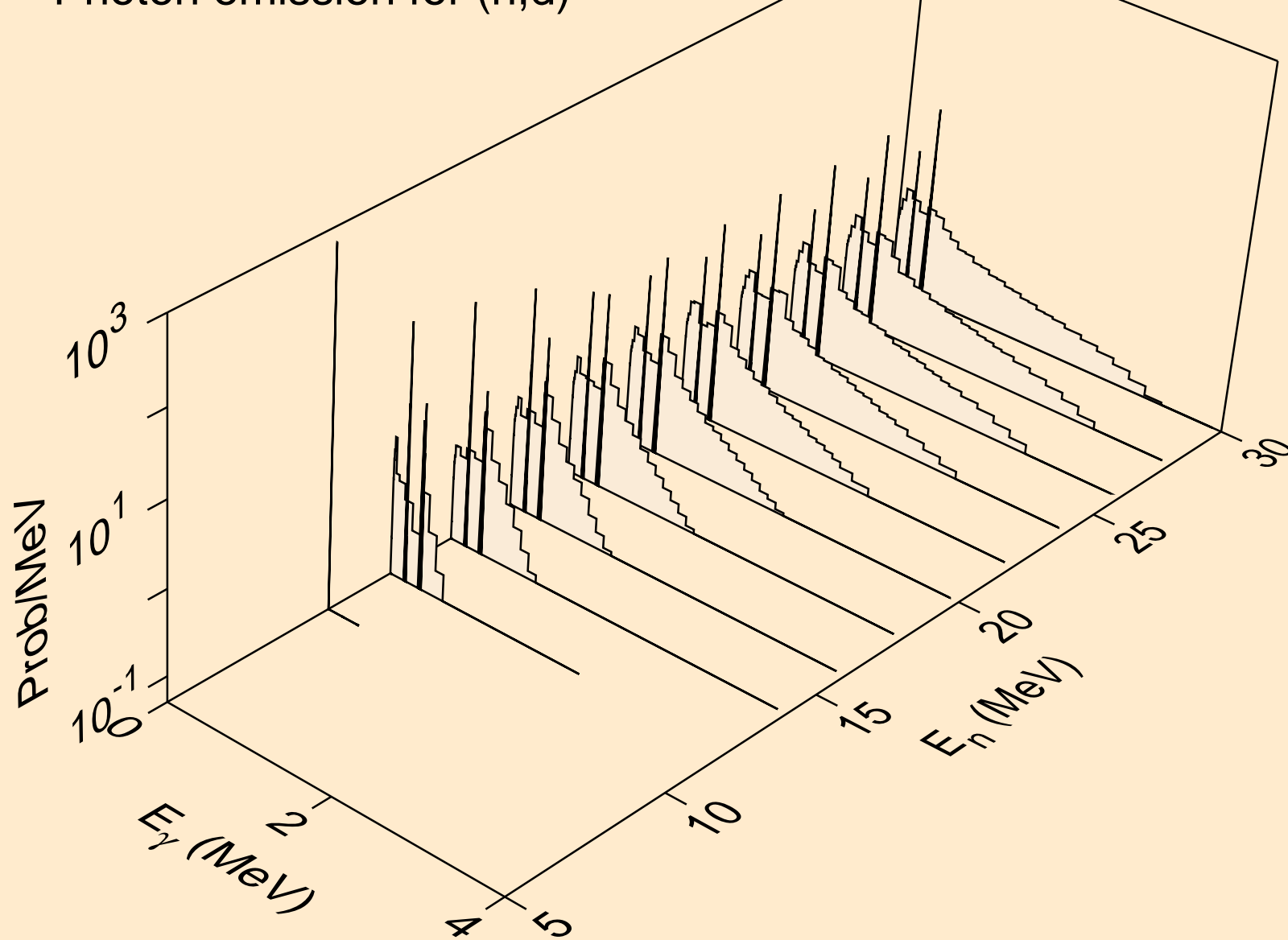
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Photon emission for (n,gma)



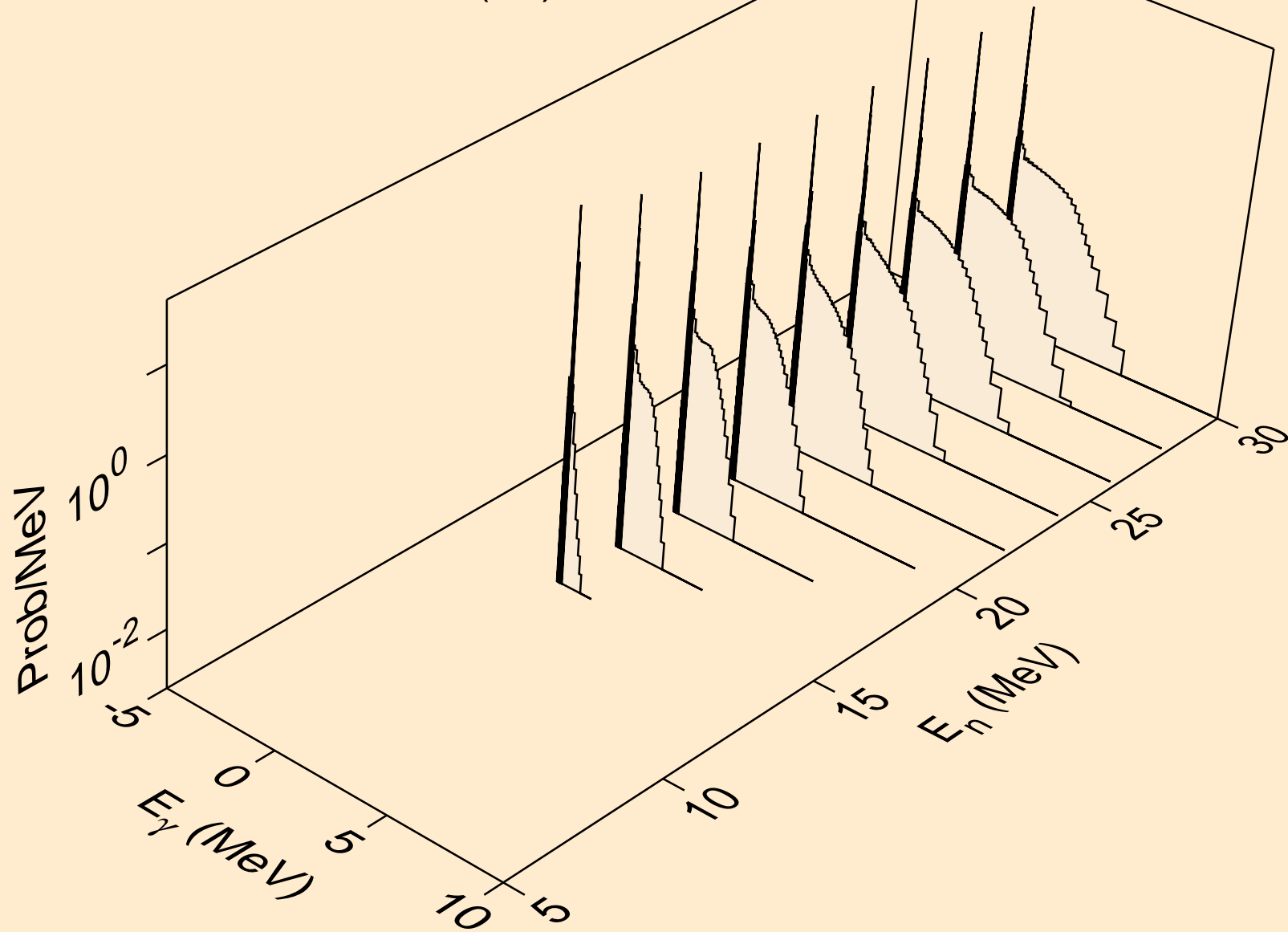
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Photon emission for inelastic



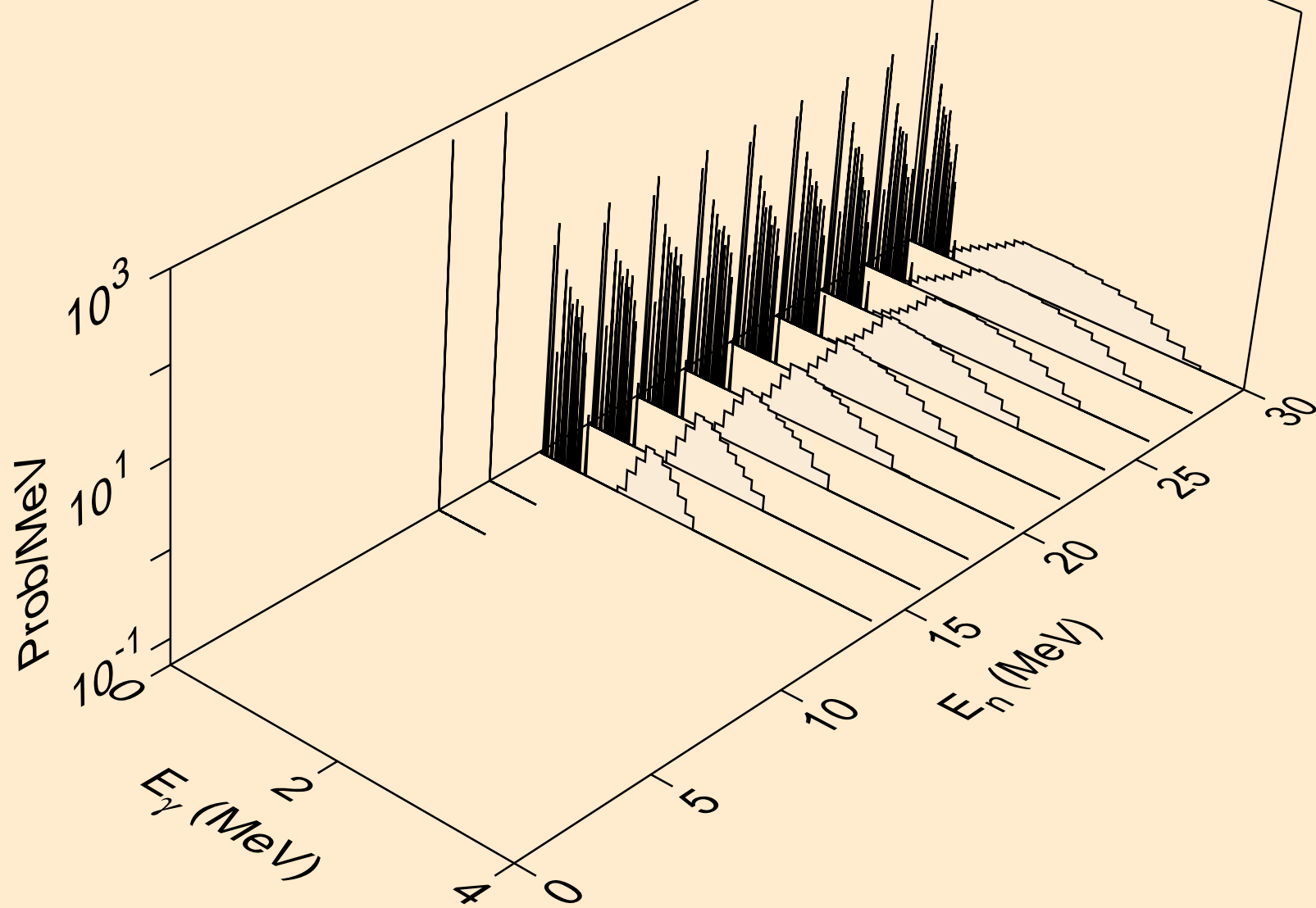
TA169 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



TA169 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)

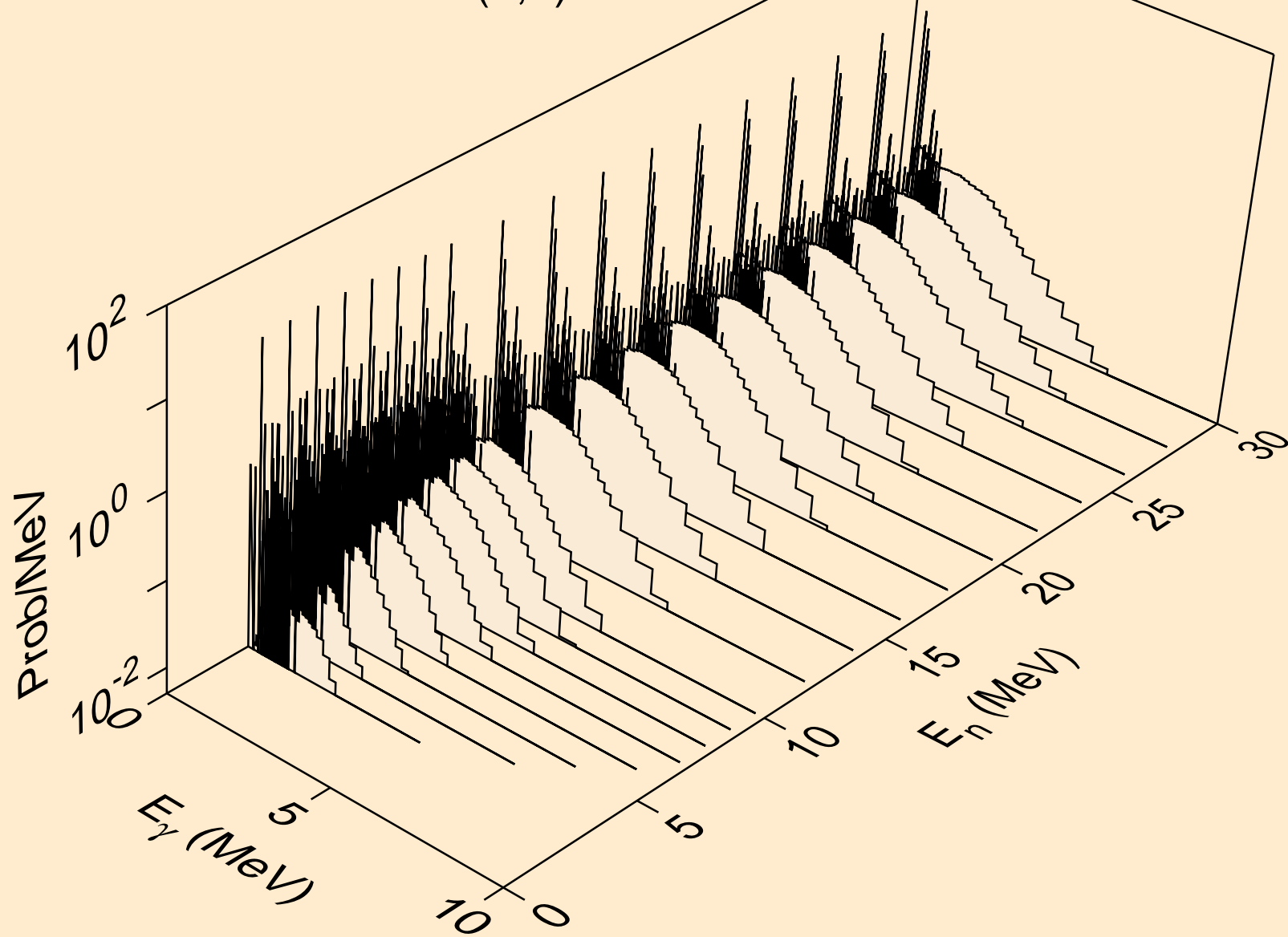


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Photon emission for (n,he3)

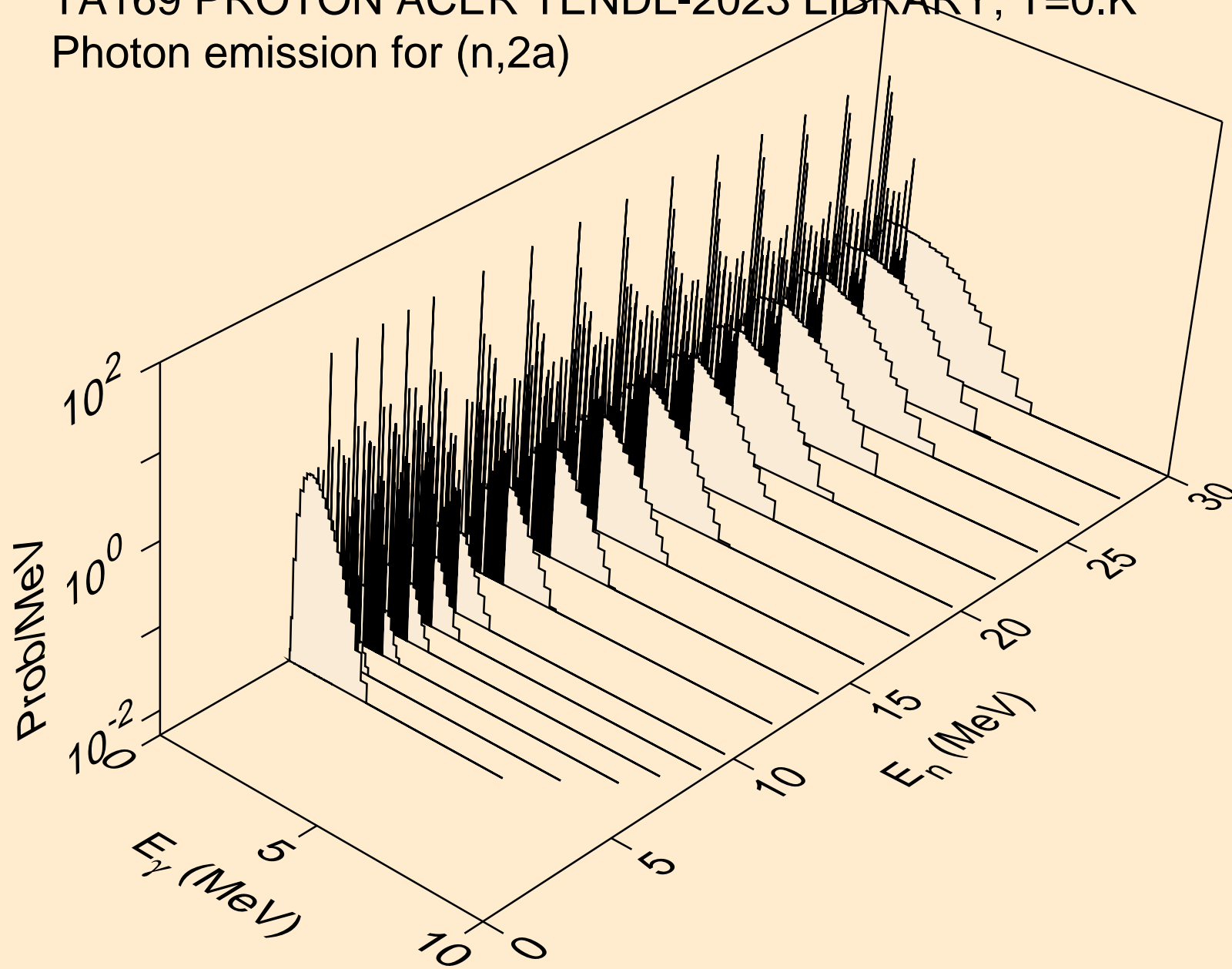




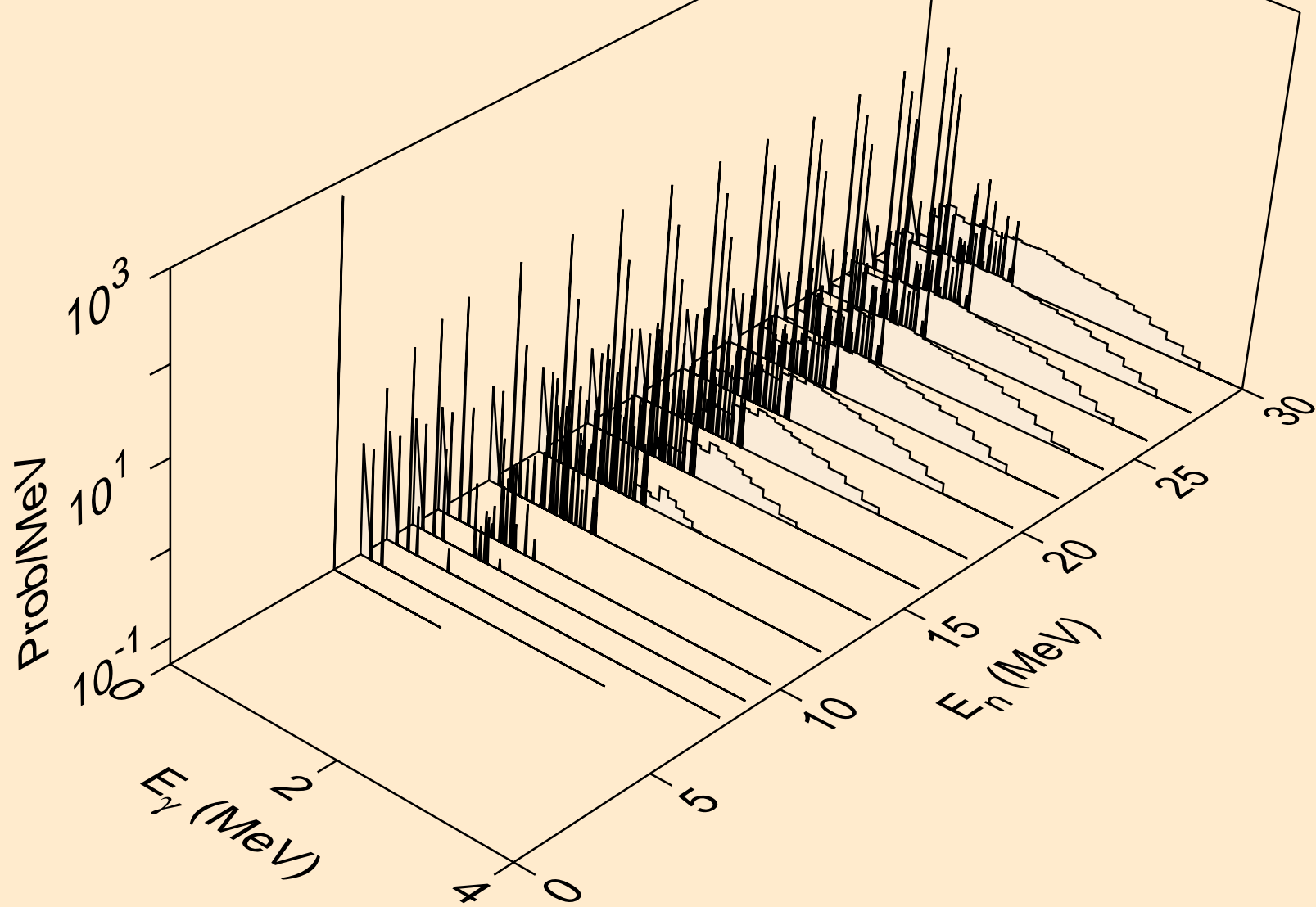
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Photon emission for (n,a)



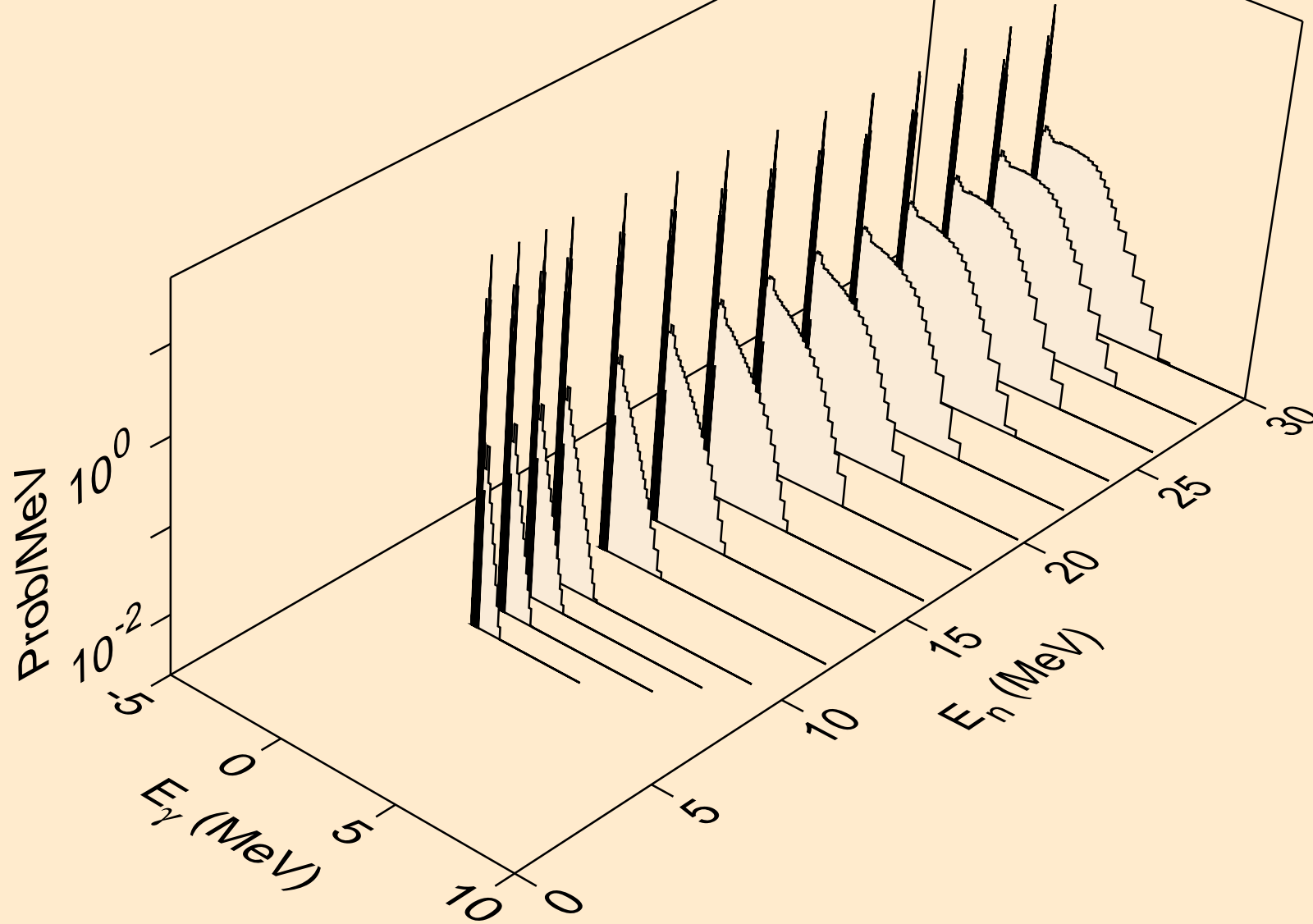
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Photon emission for (n,2a)



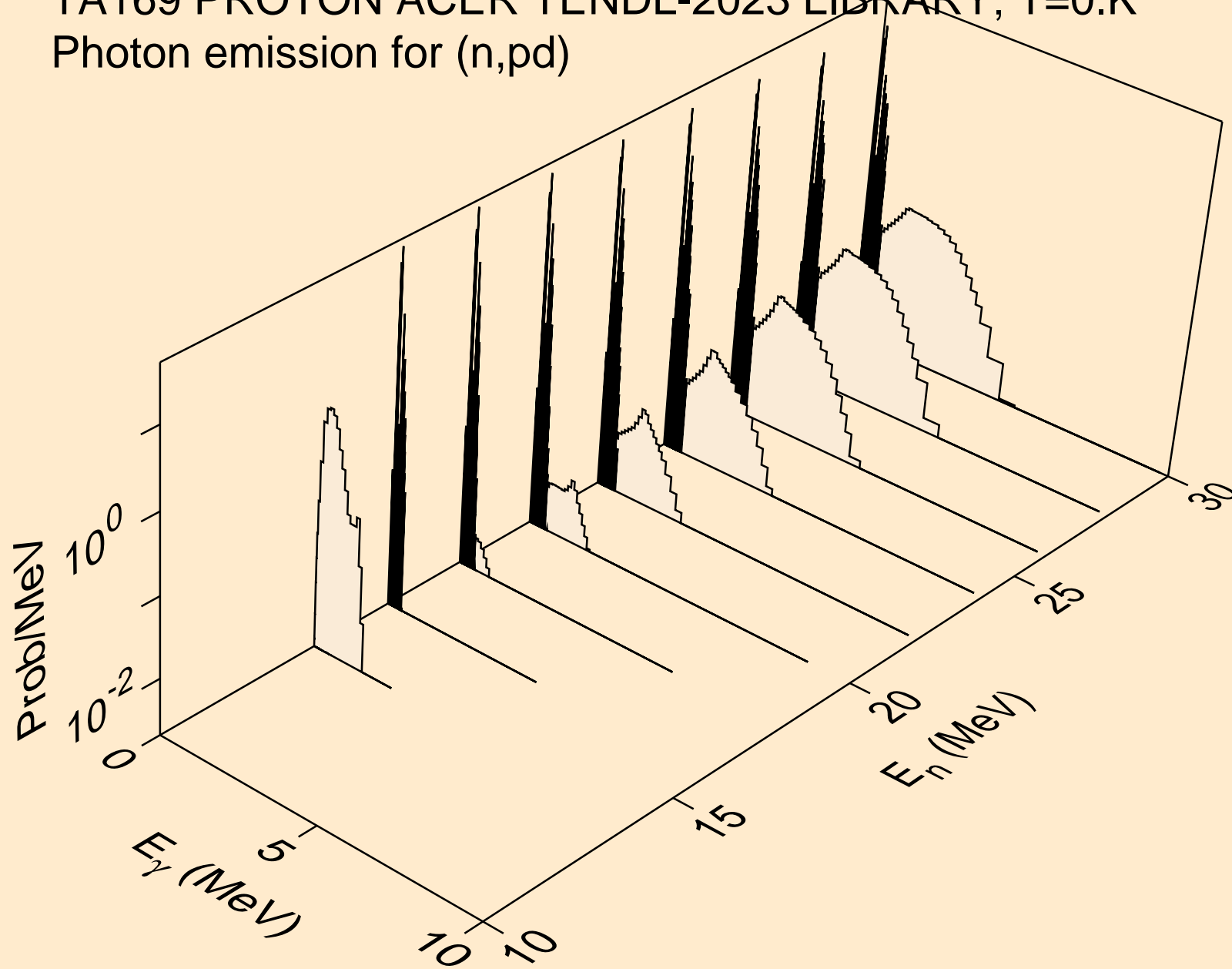
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Photon emission for (n,2p)



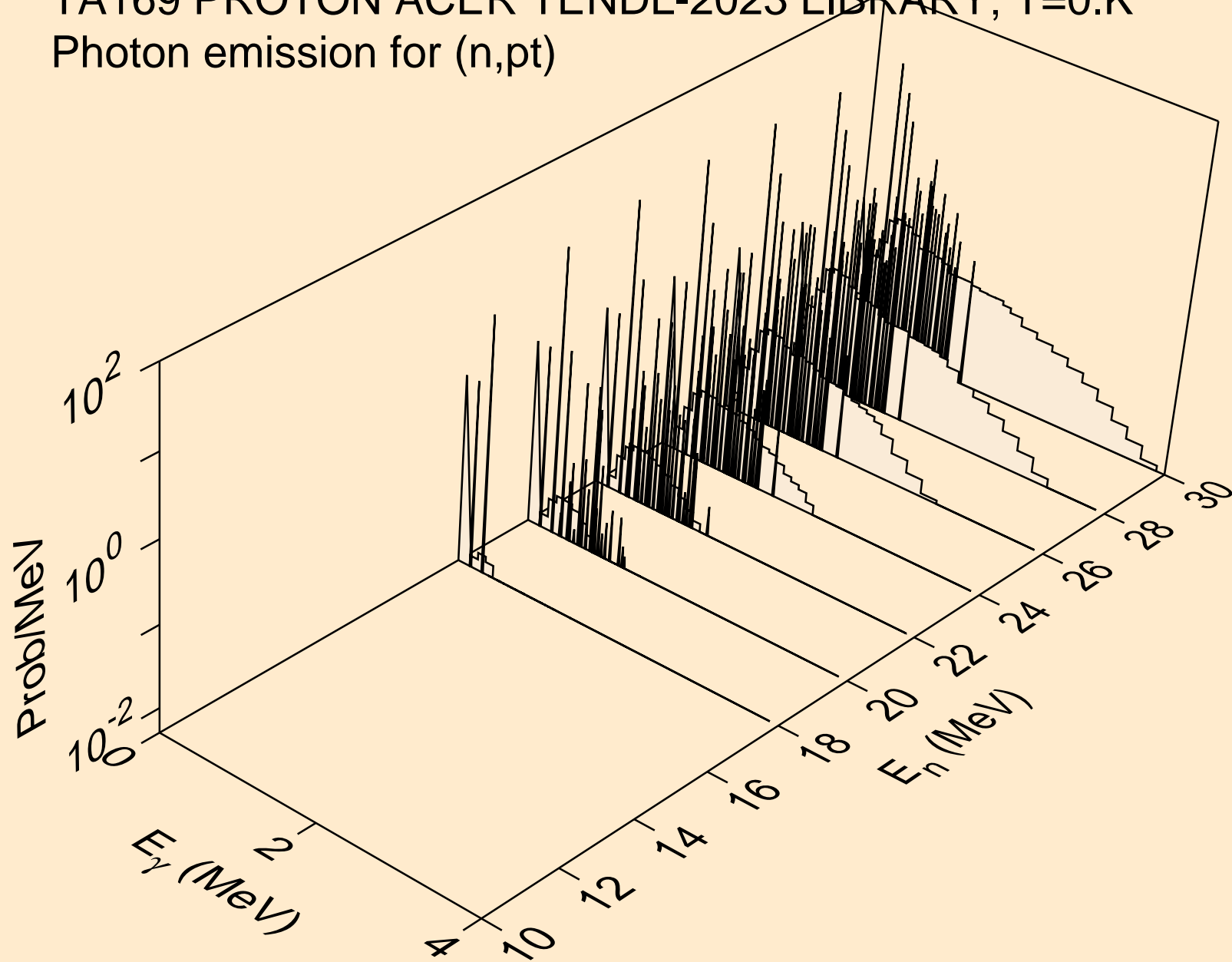
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Photon emission for (n,pa)



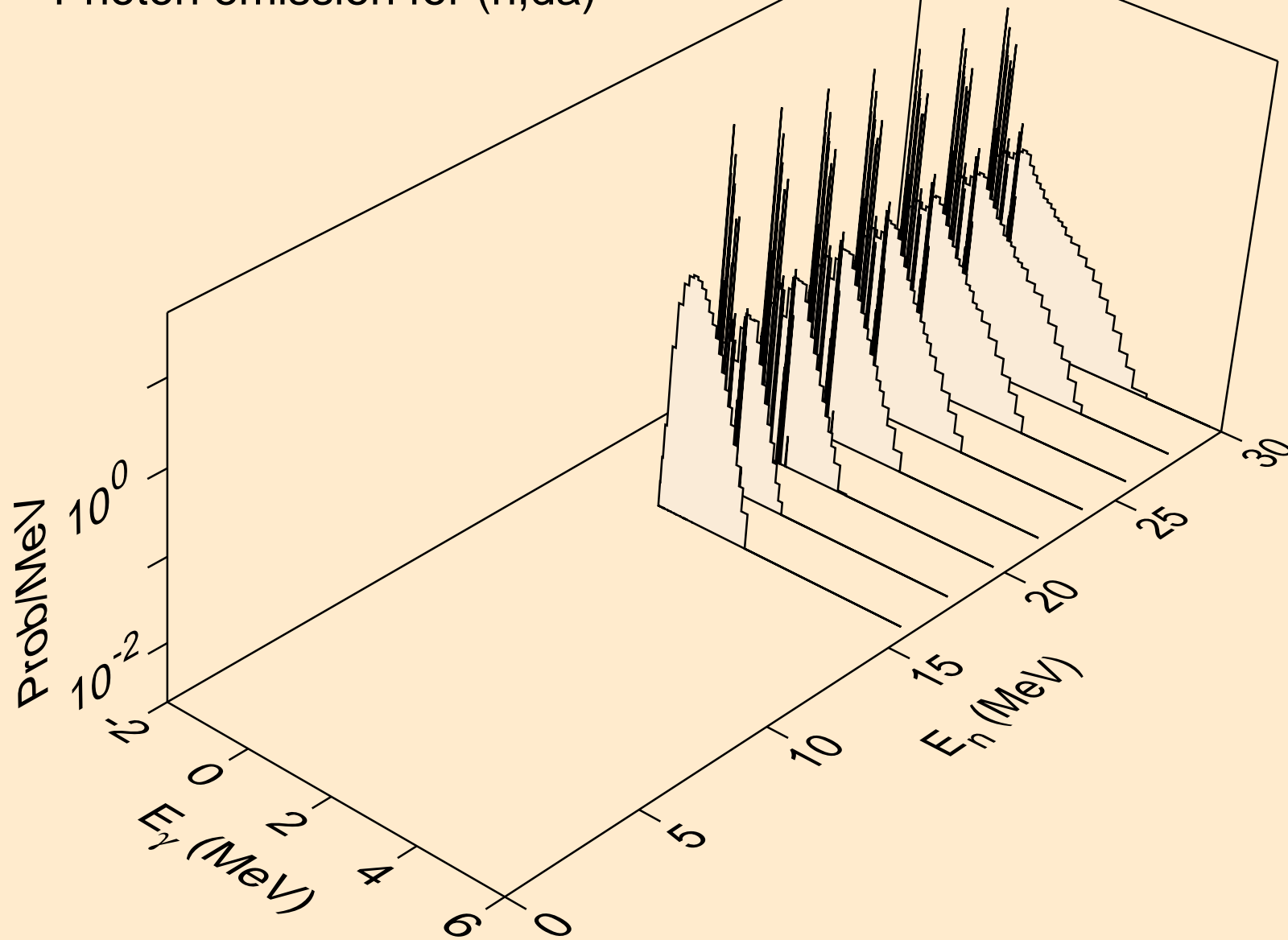
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Photon emission for (n,pd)



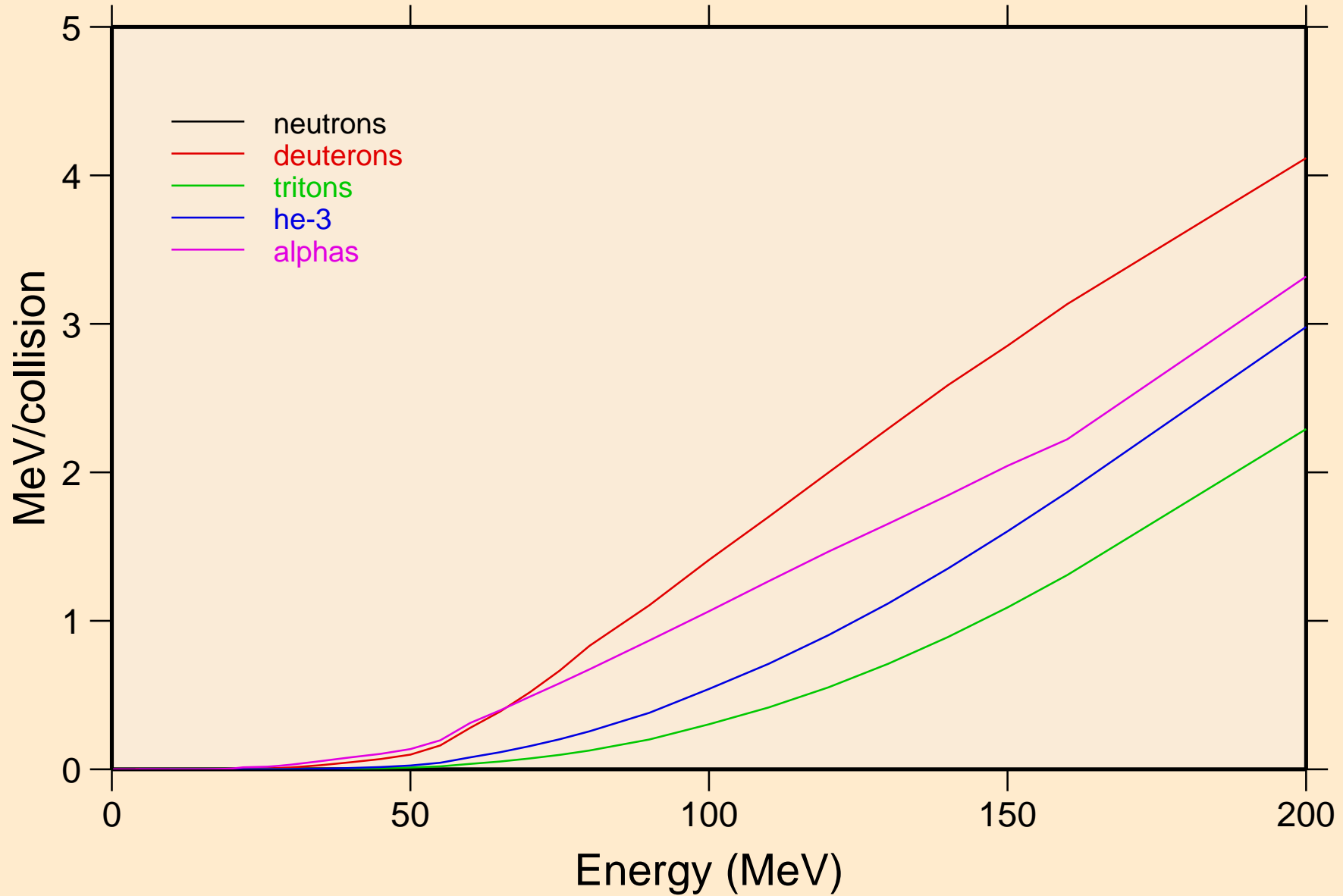
TA169 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



TA169 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



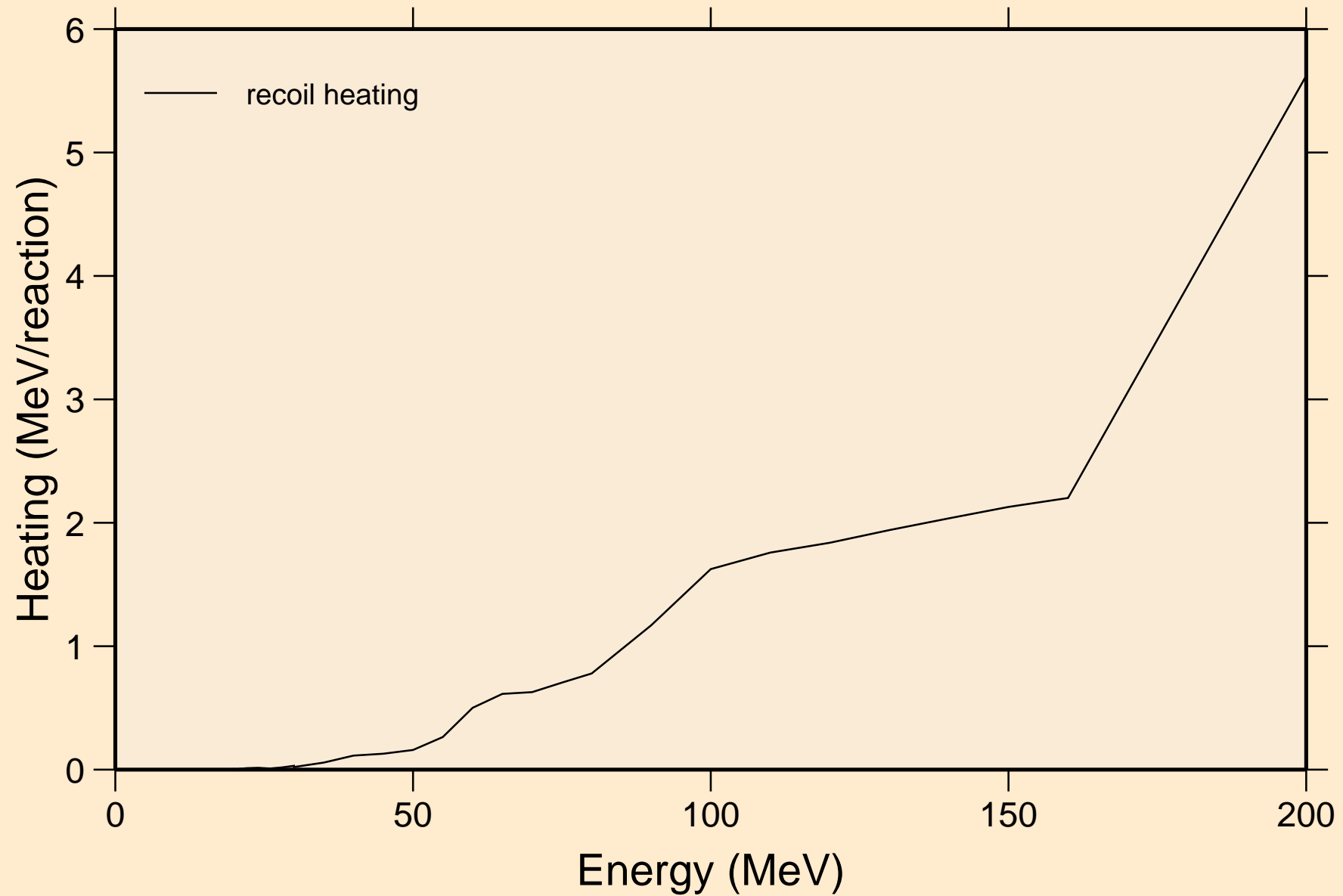
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Particle heating contributions



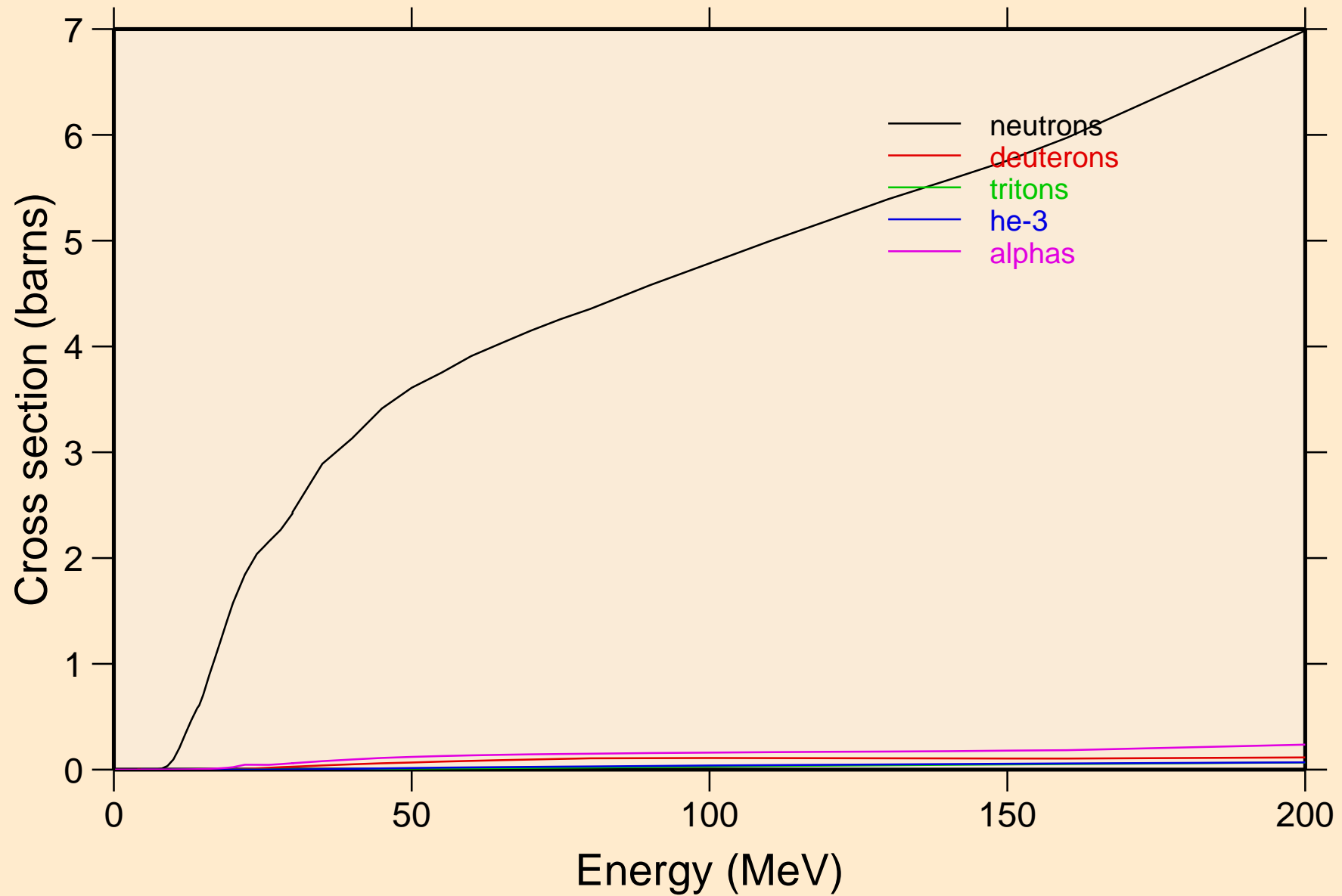


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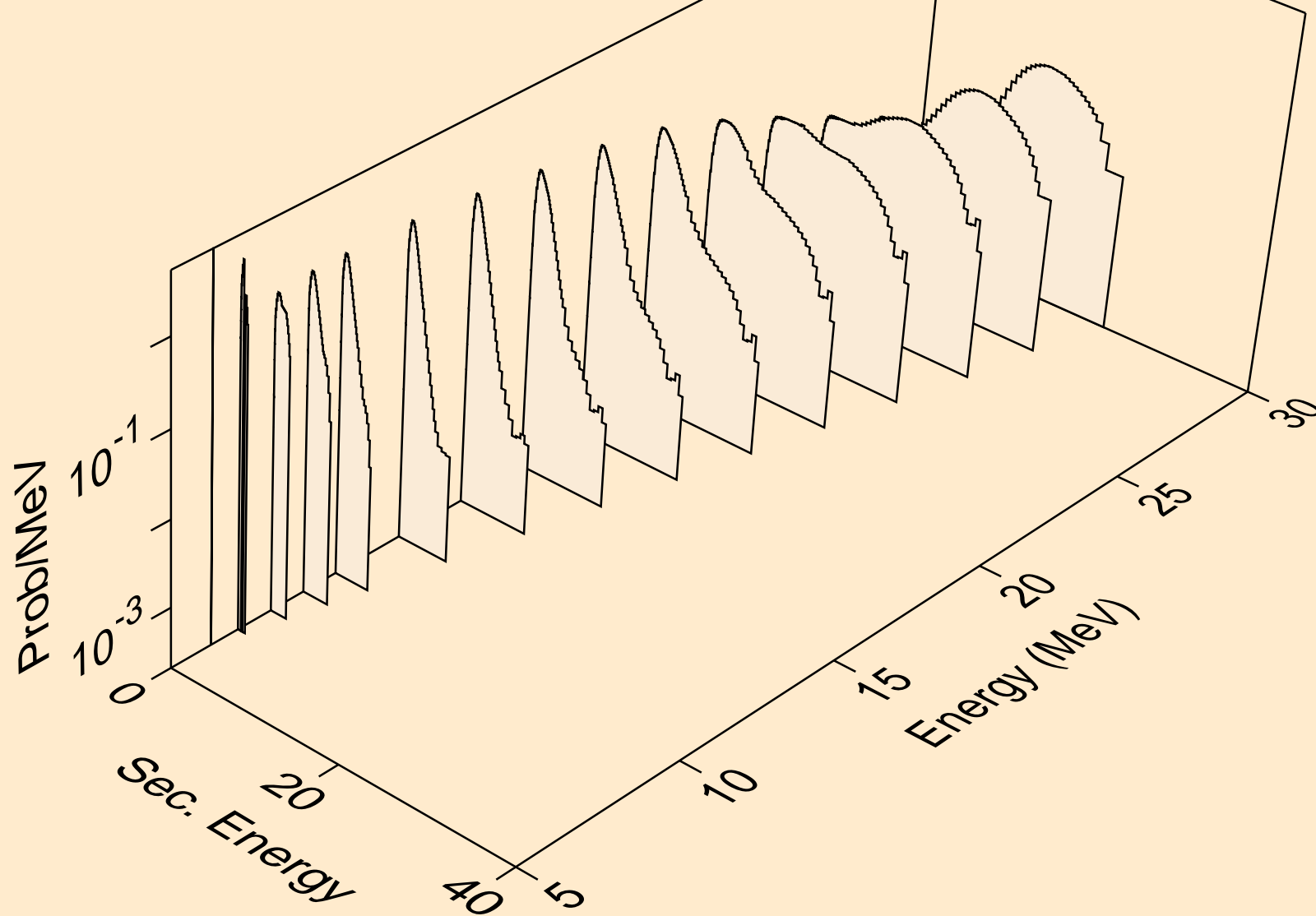
Recoil Heating



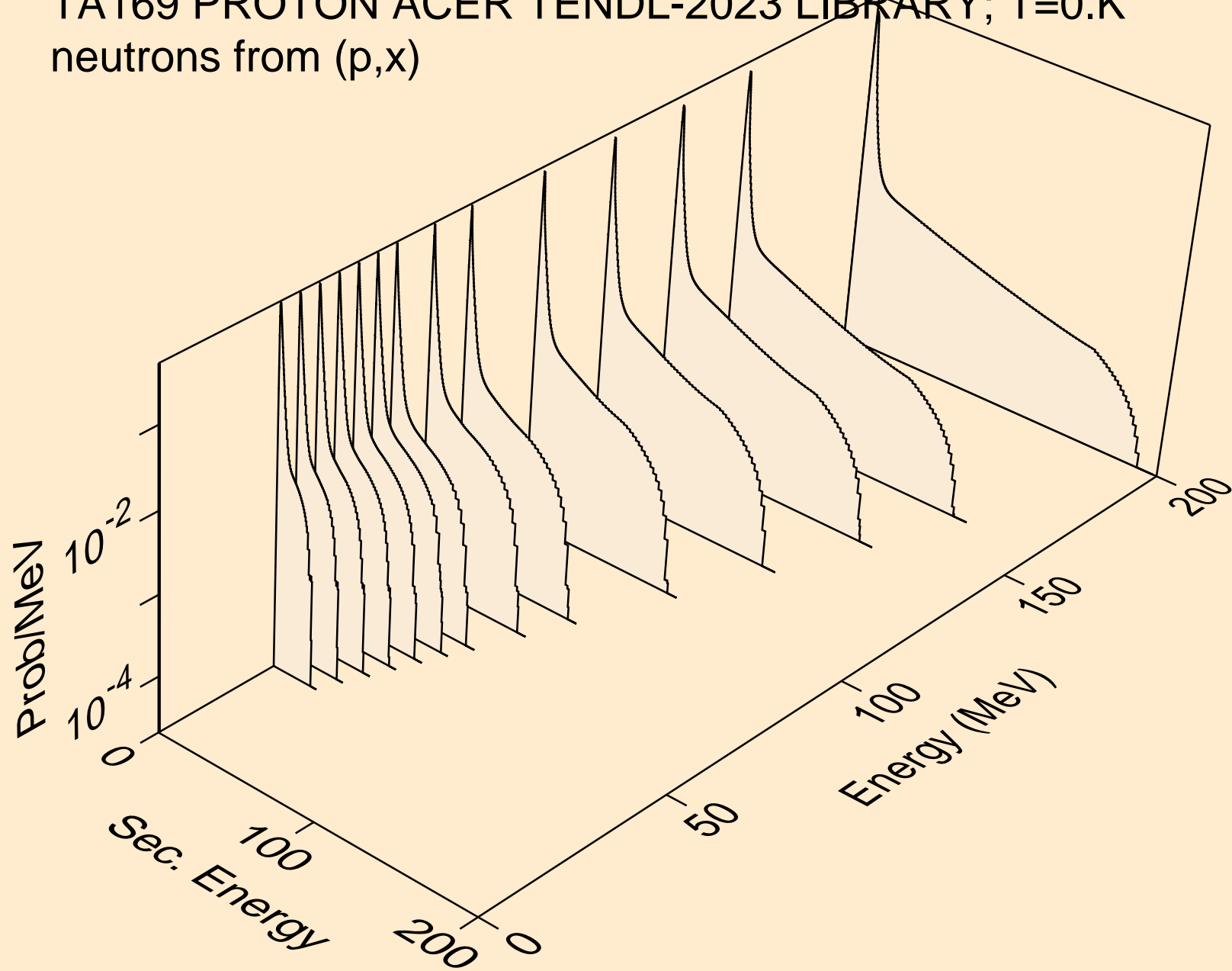
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Particle production cross sections



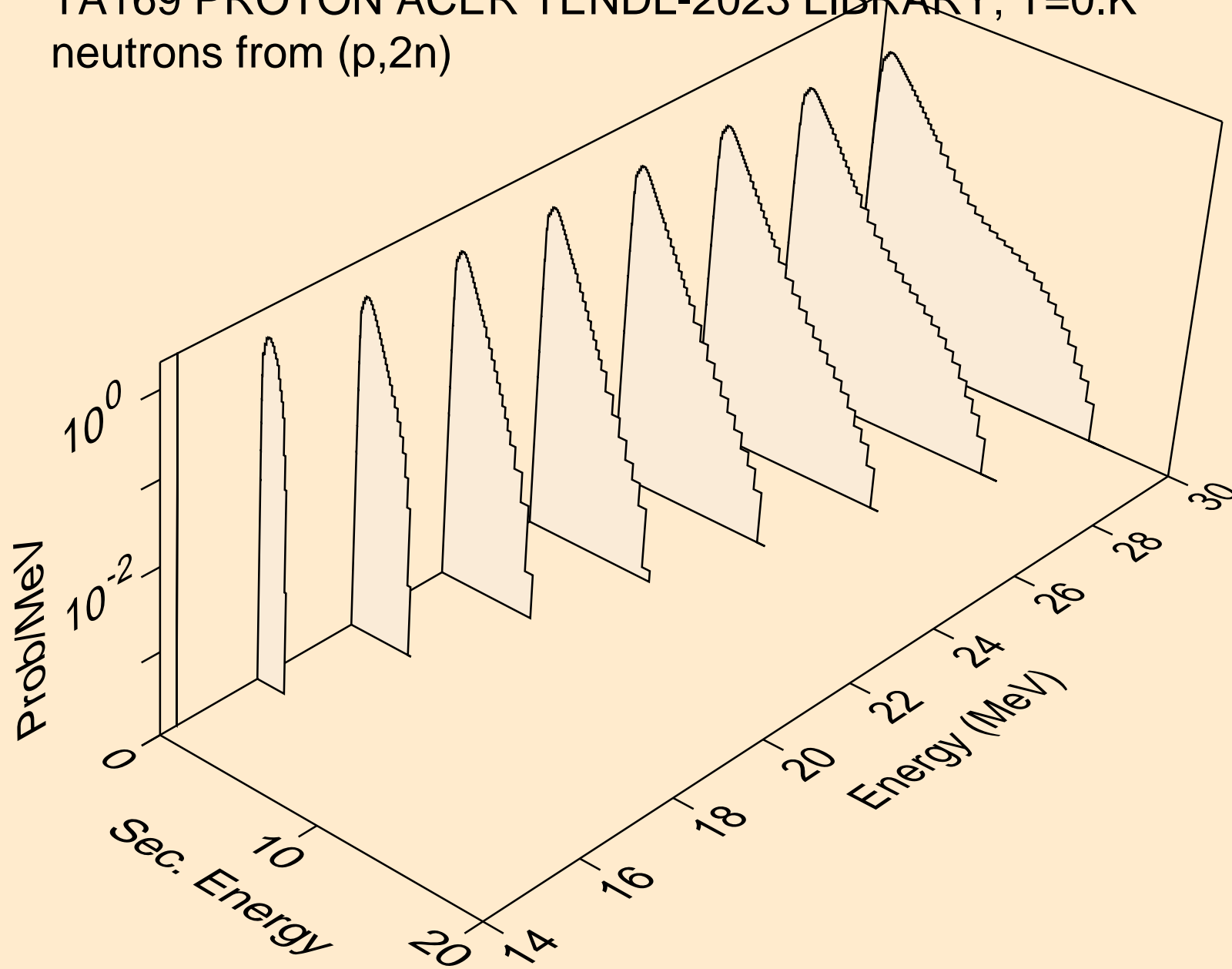
TA169 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n)



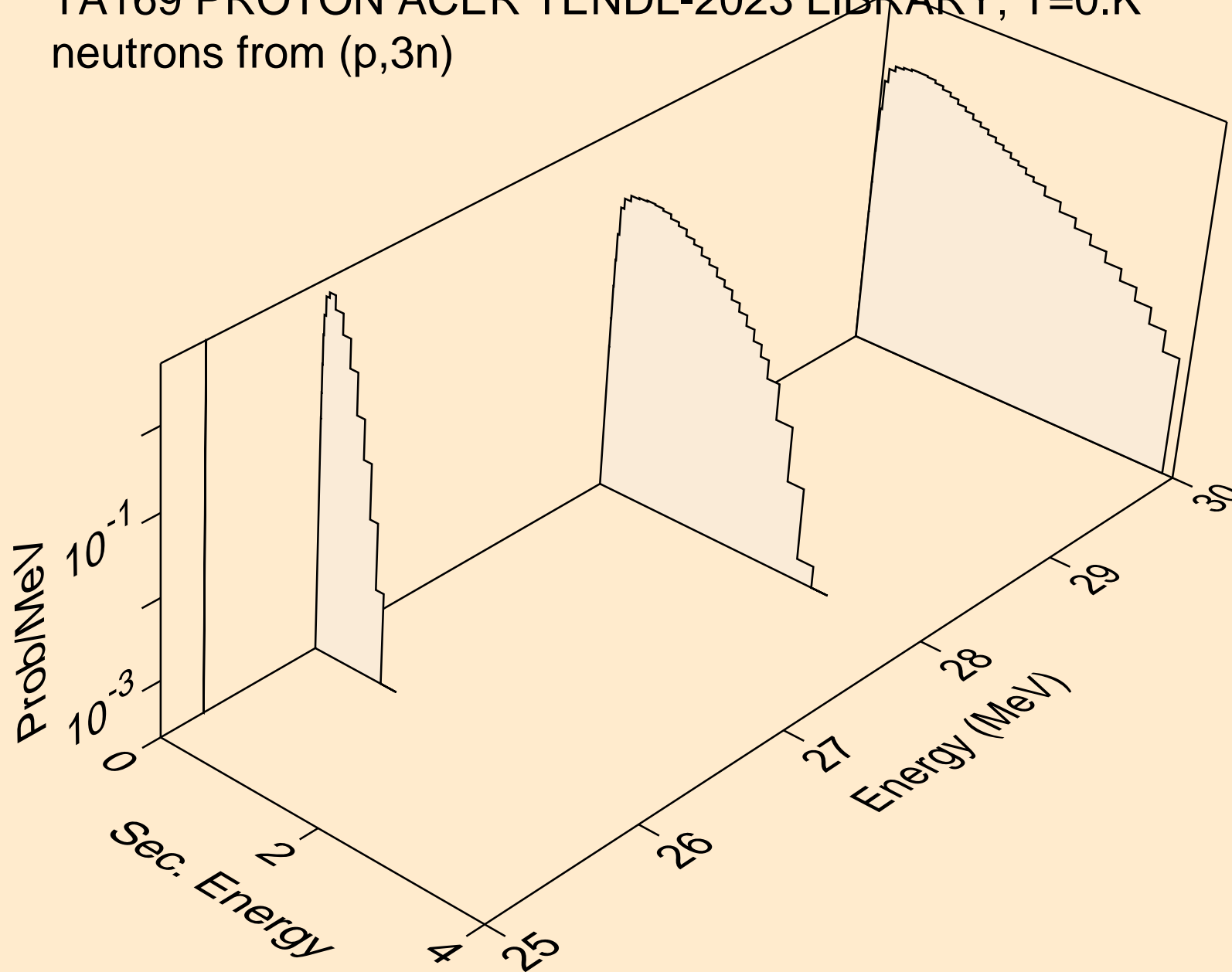
TA169 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,x)



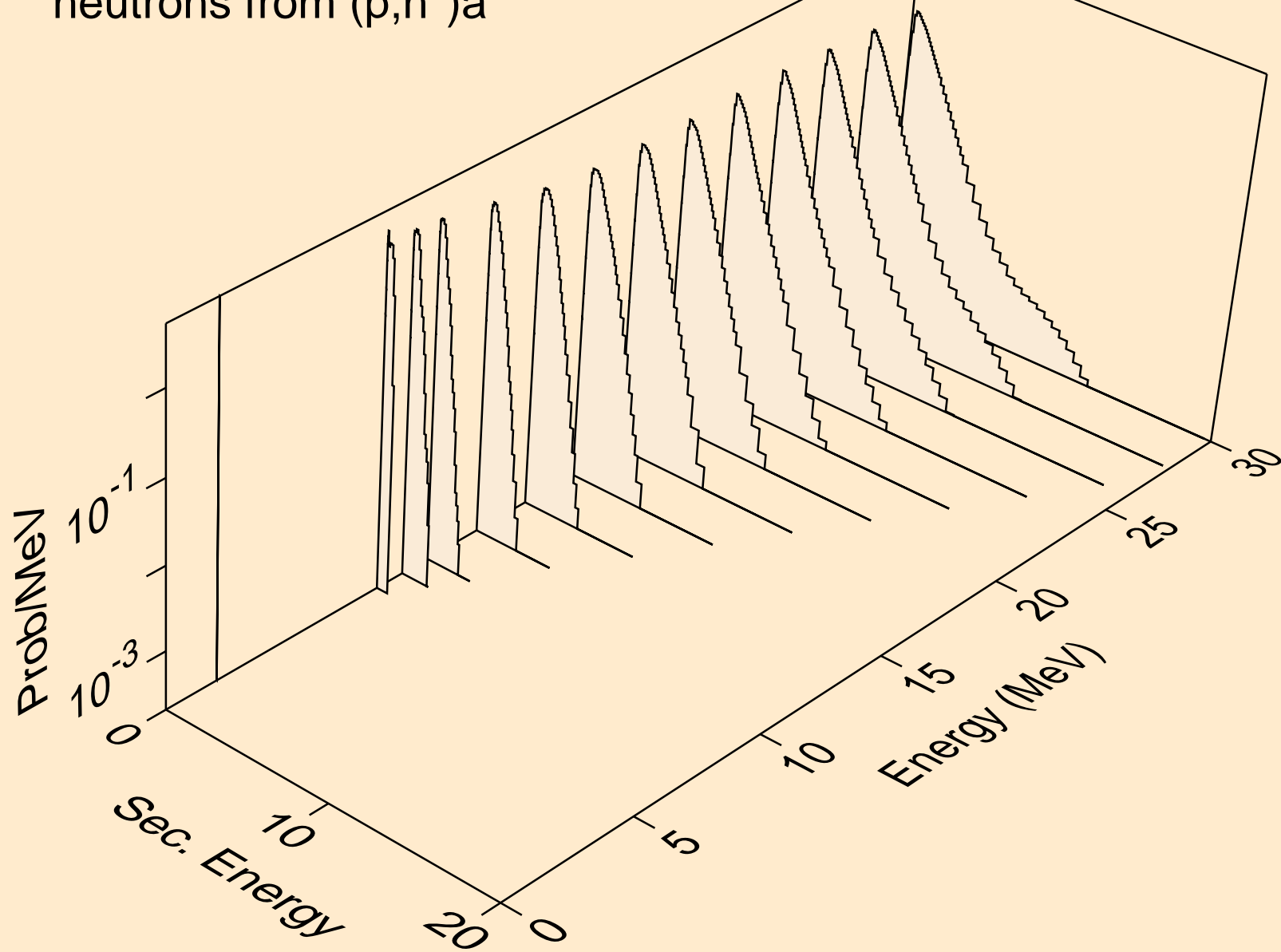
TA169 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)



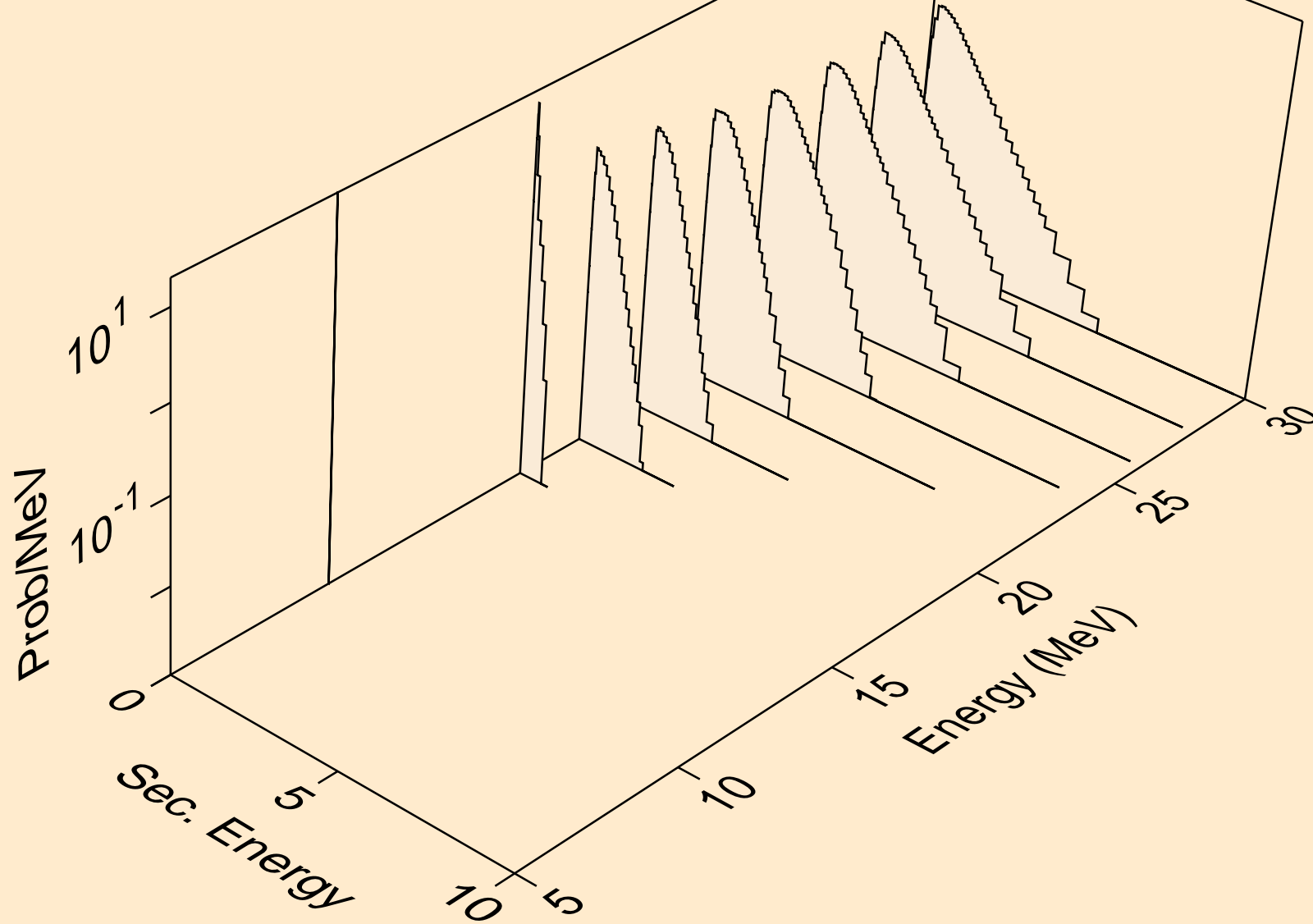
TA169 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,3n)



TA169 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)a

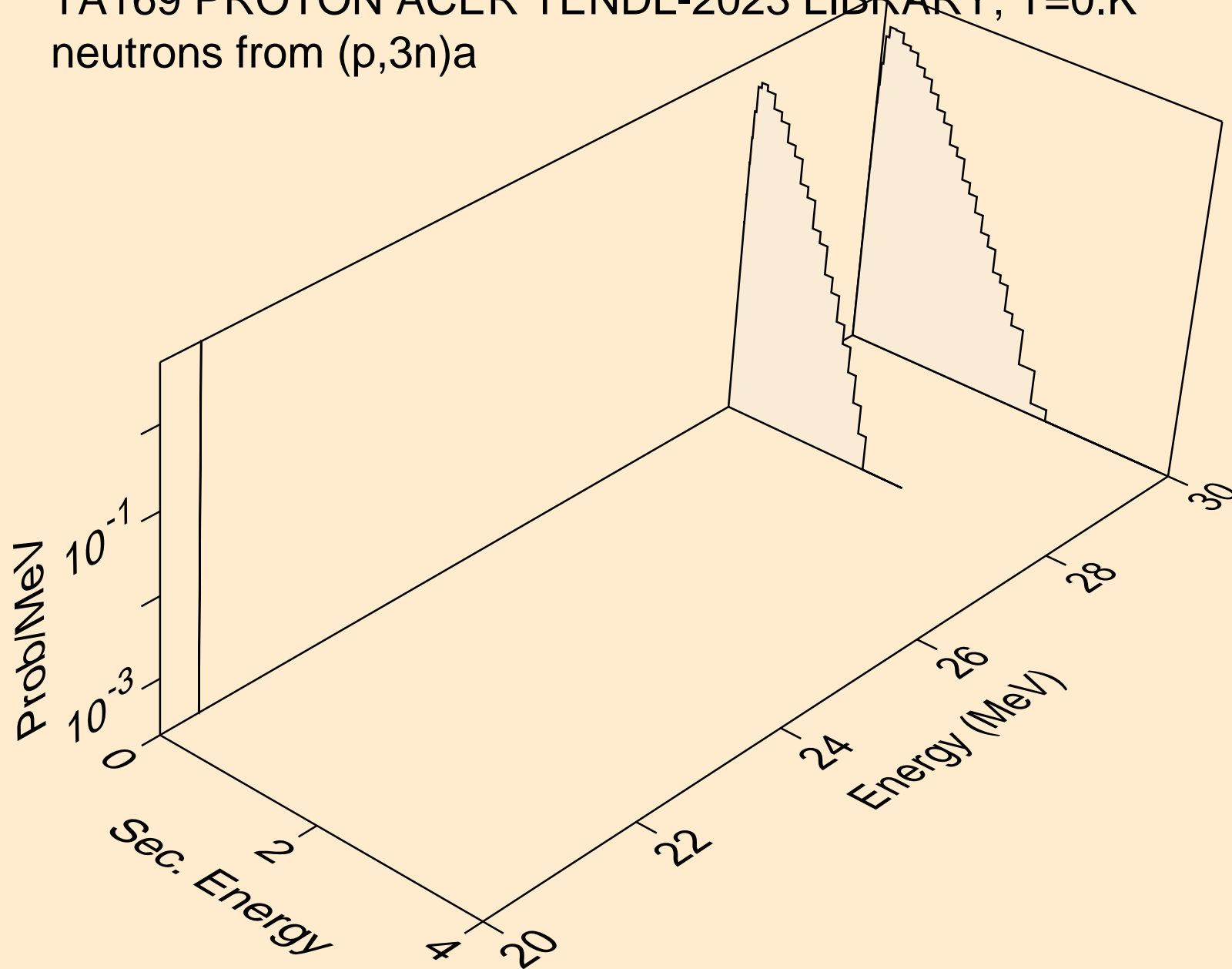


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neutrons from (p,2n)a

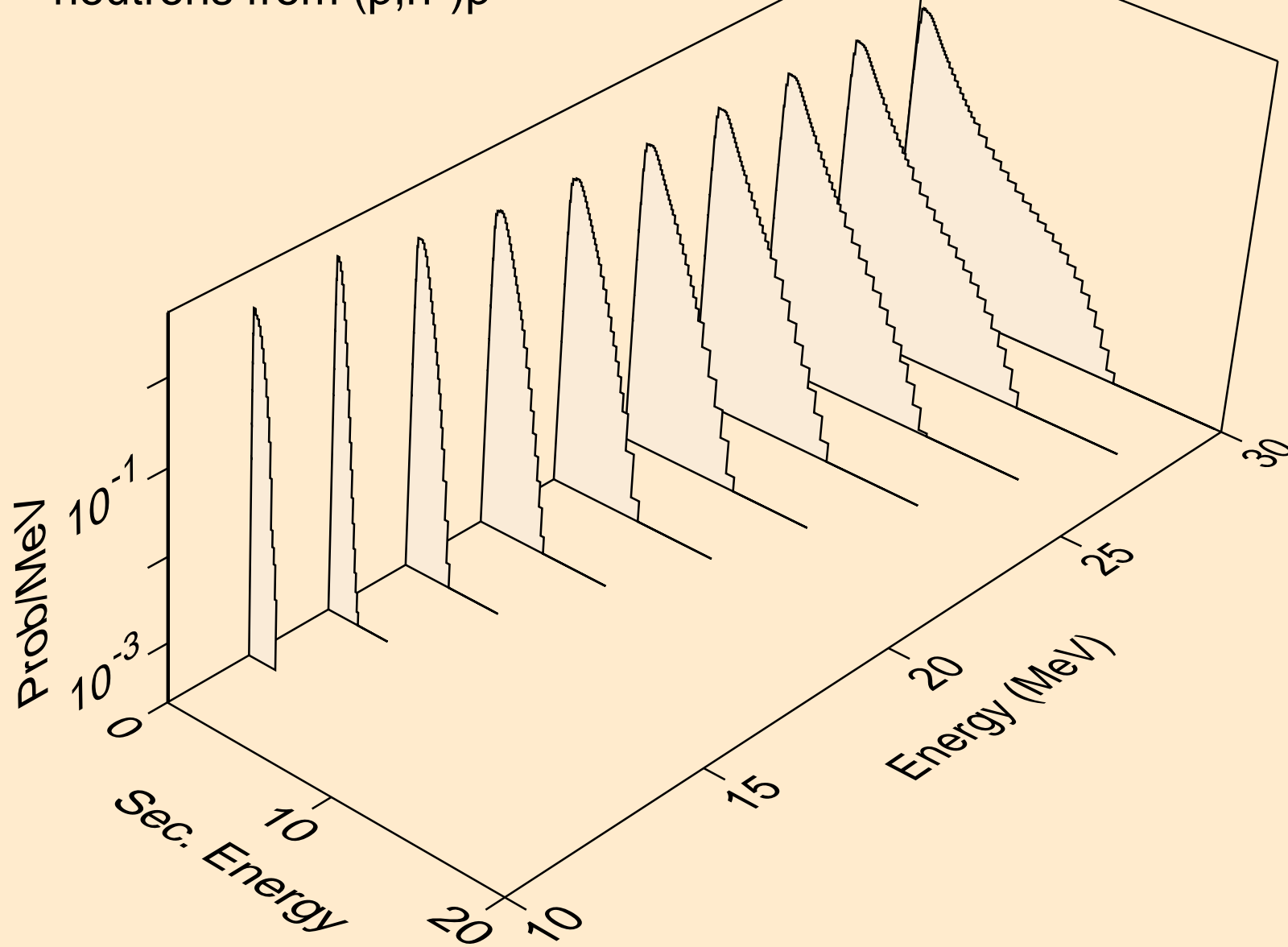




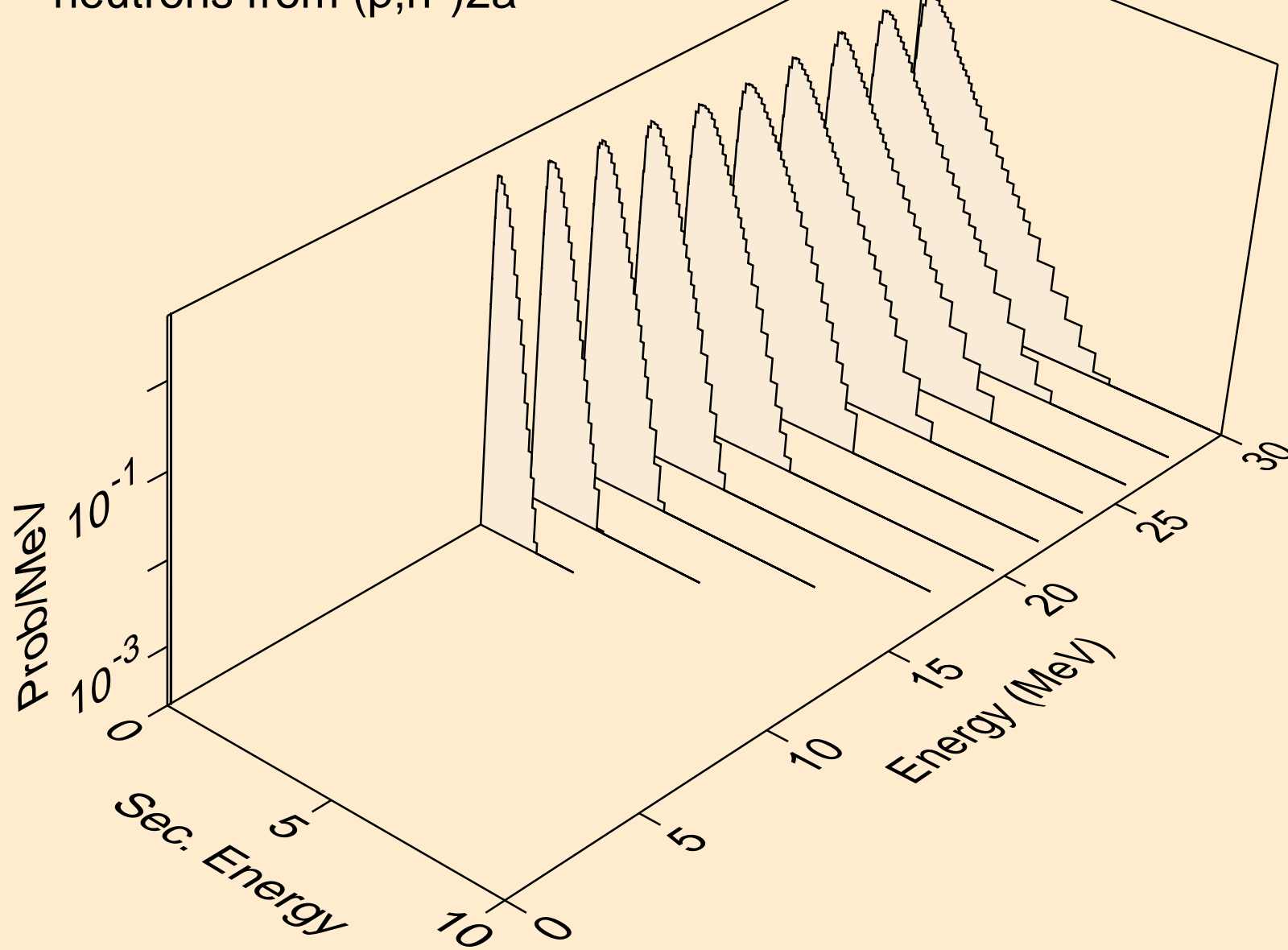
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neutrons from (p,3n)a



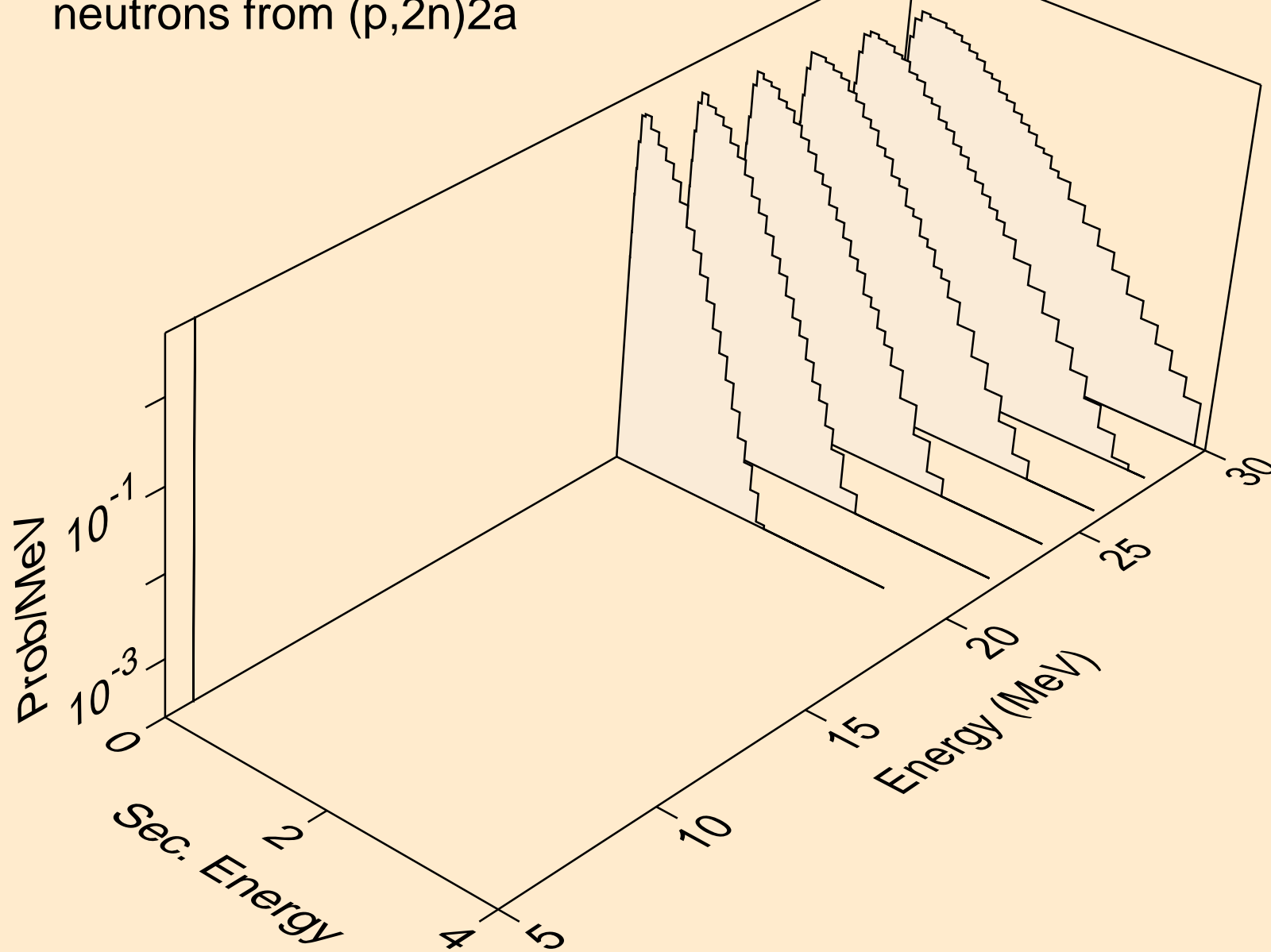
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neutrons from (p,n\*)p



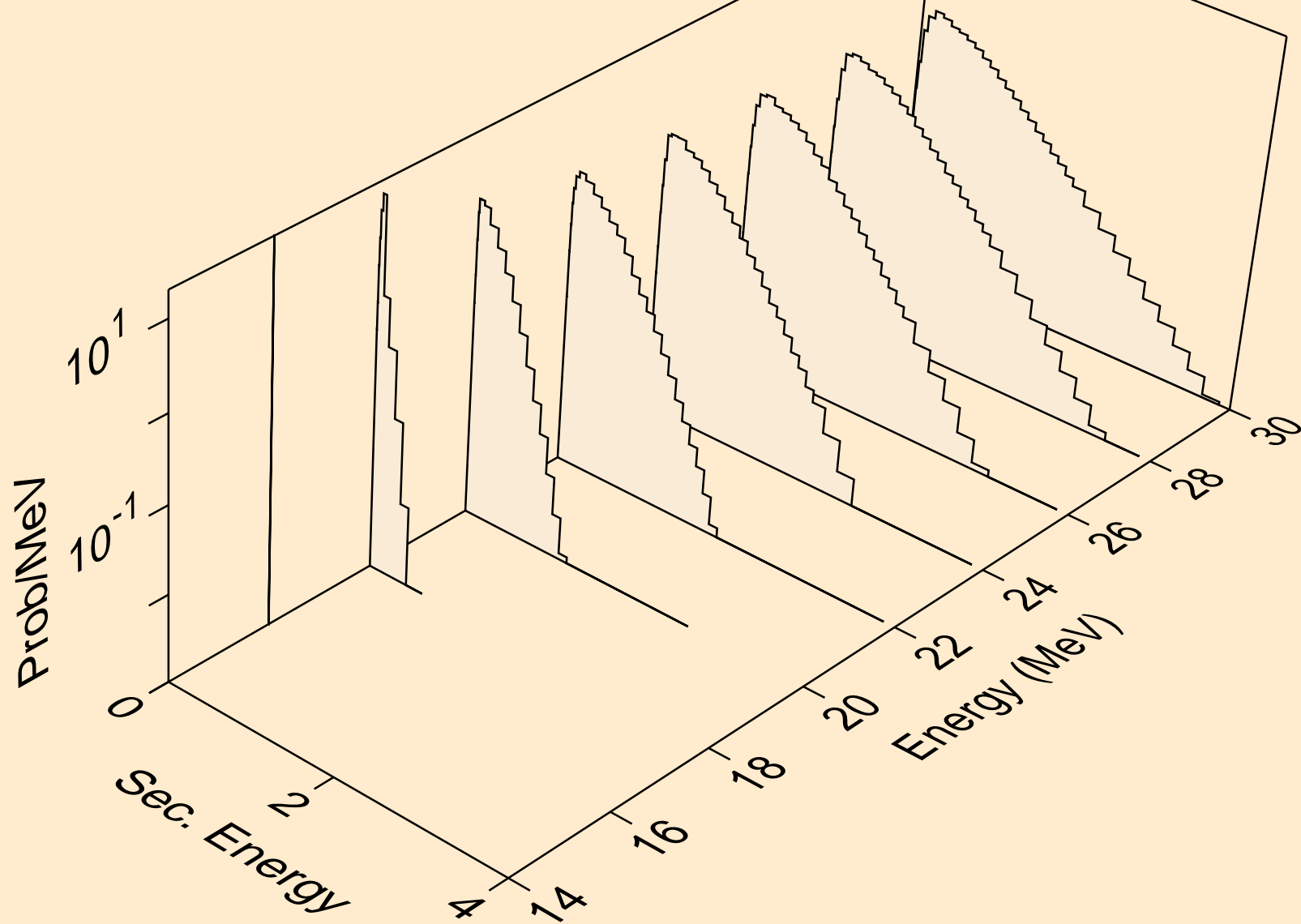
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neutrons from (p,n\*)2a



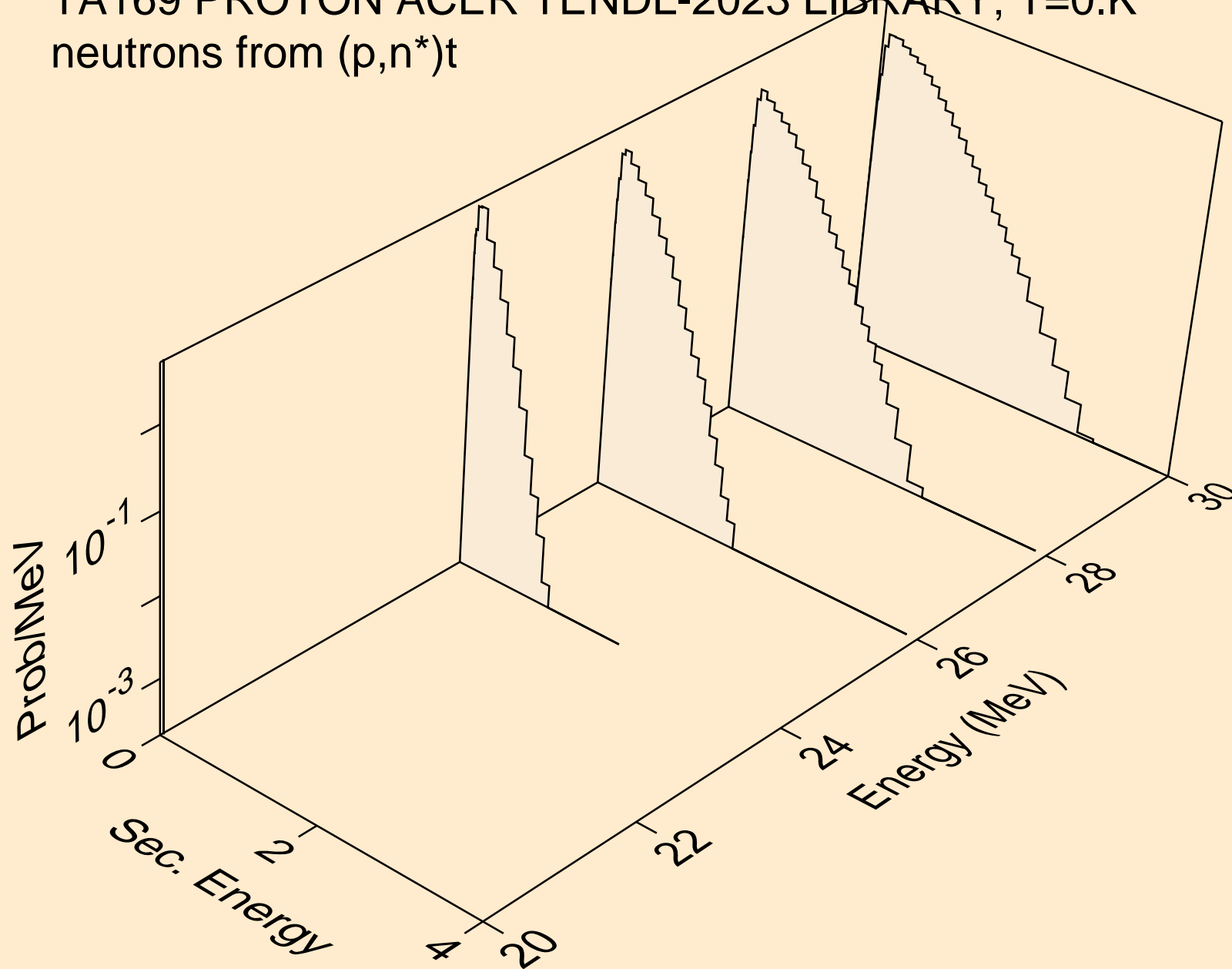
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neutrons from (p,2n)2a



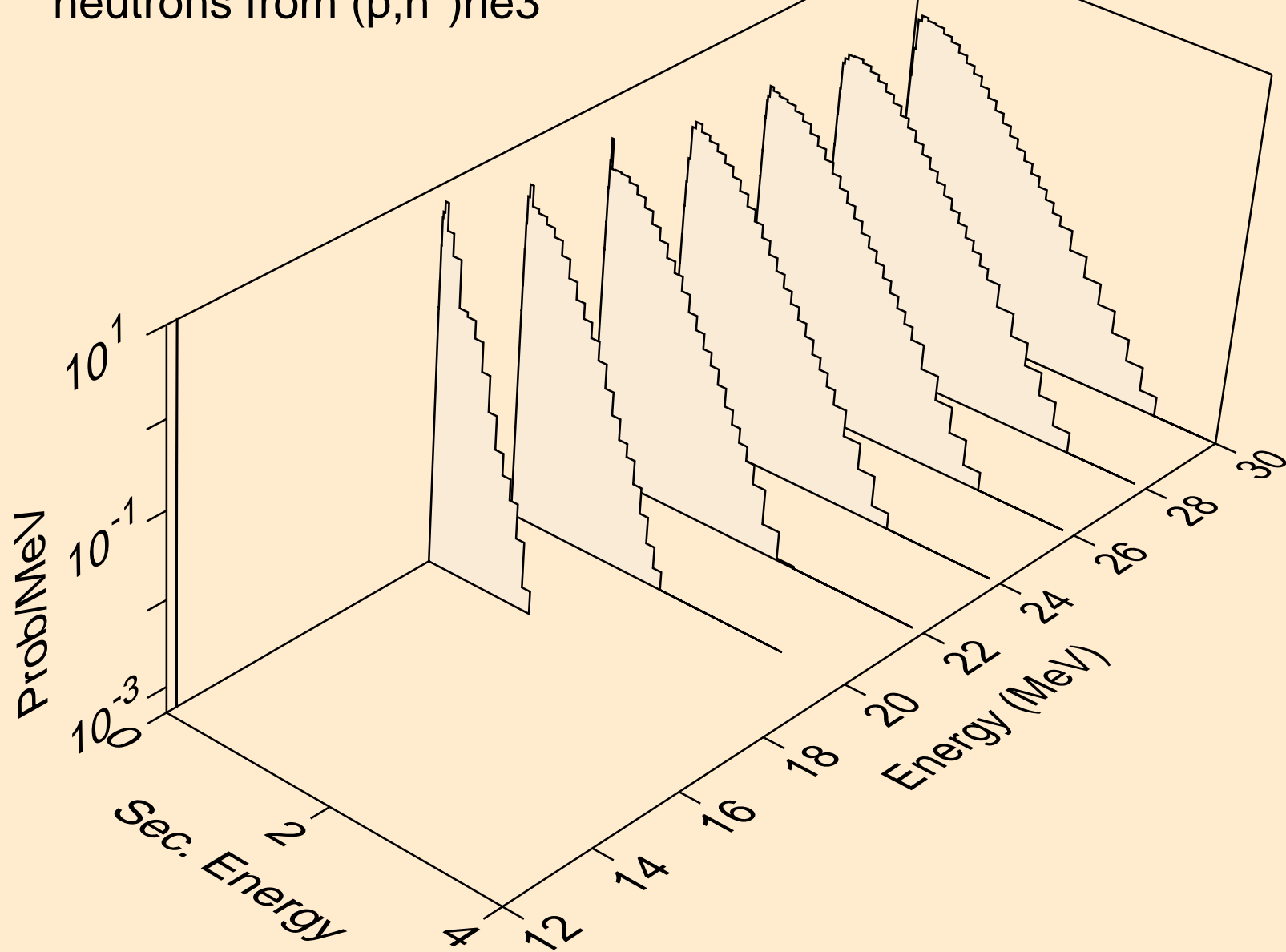
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neutrons from (p,n\*)d



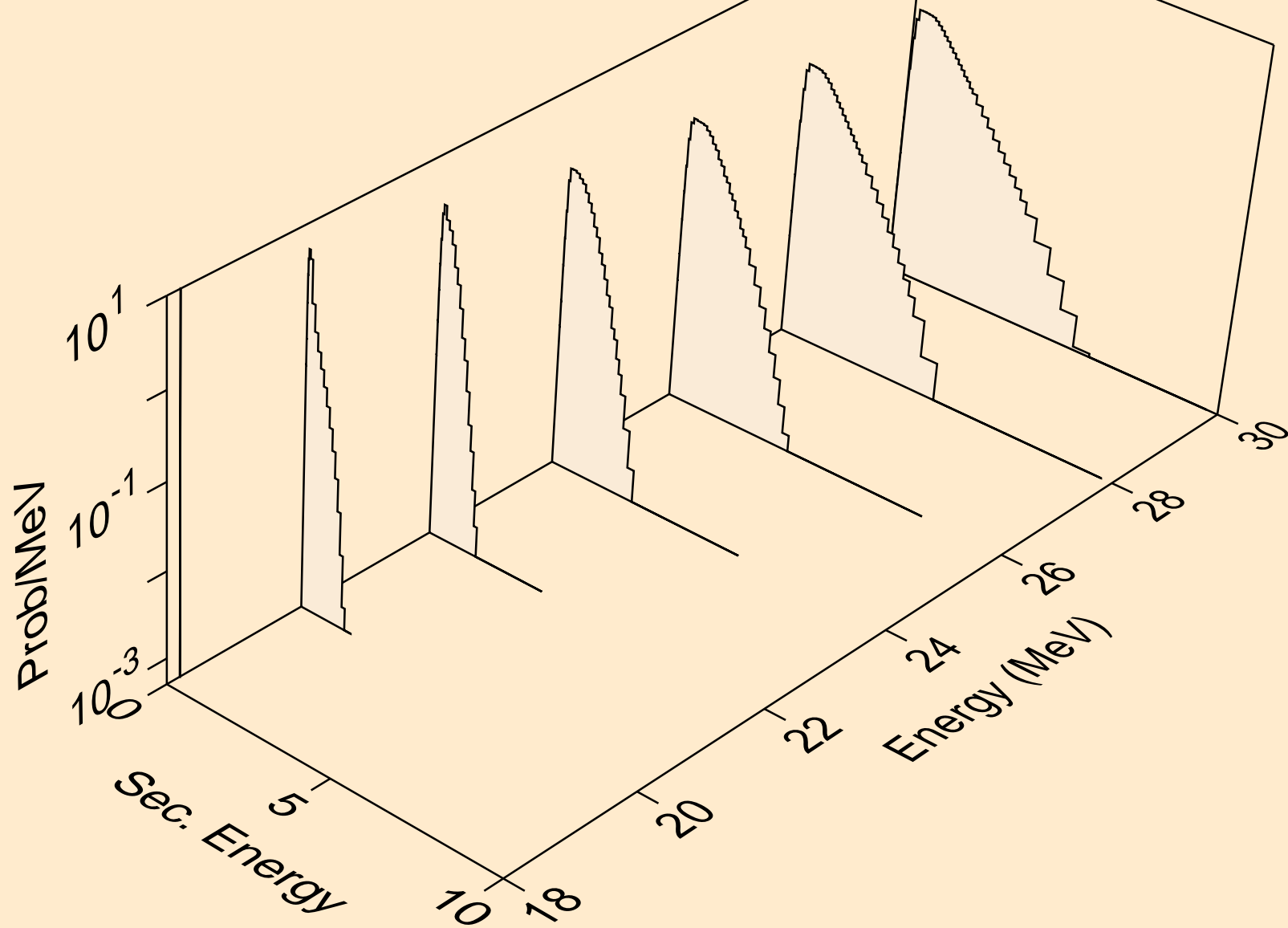
TA169 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)t



TA169 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)he3

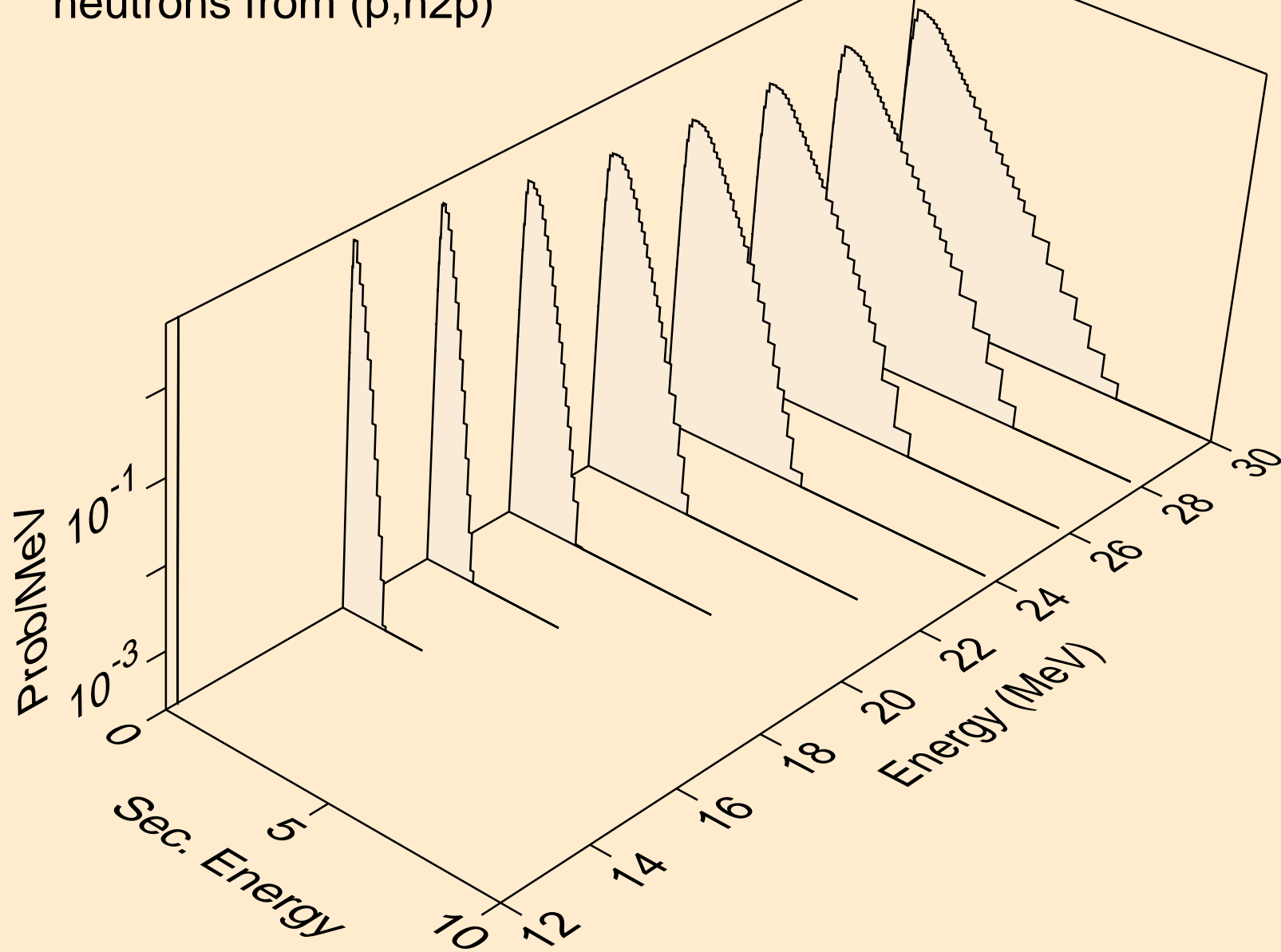


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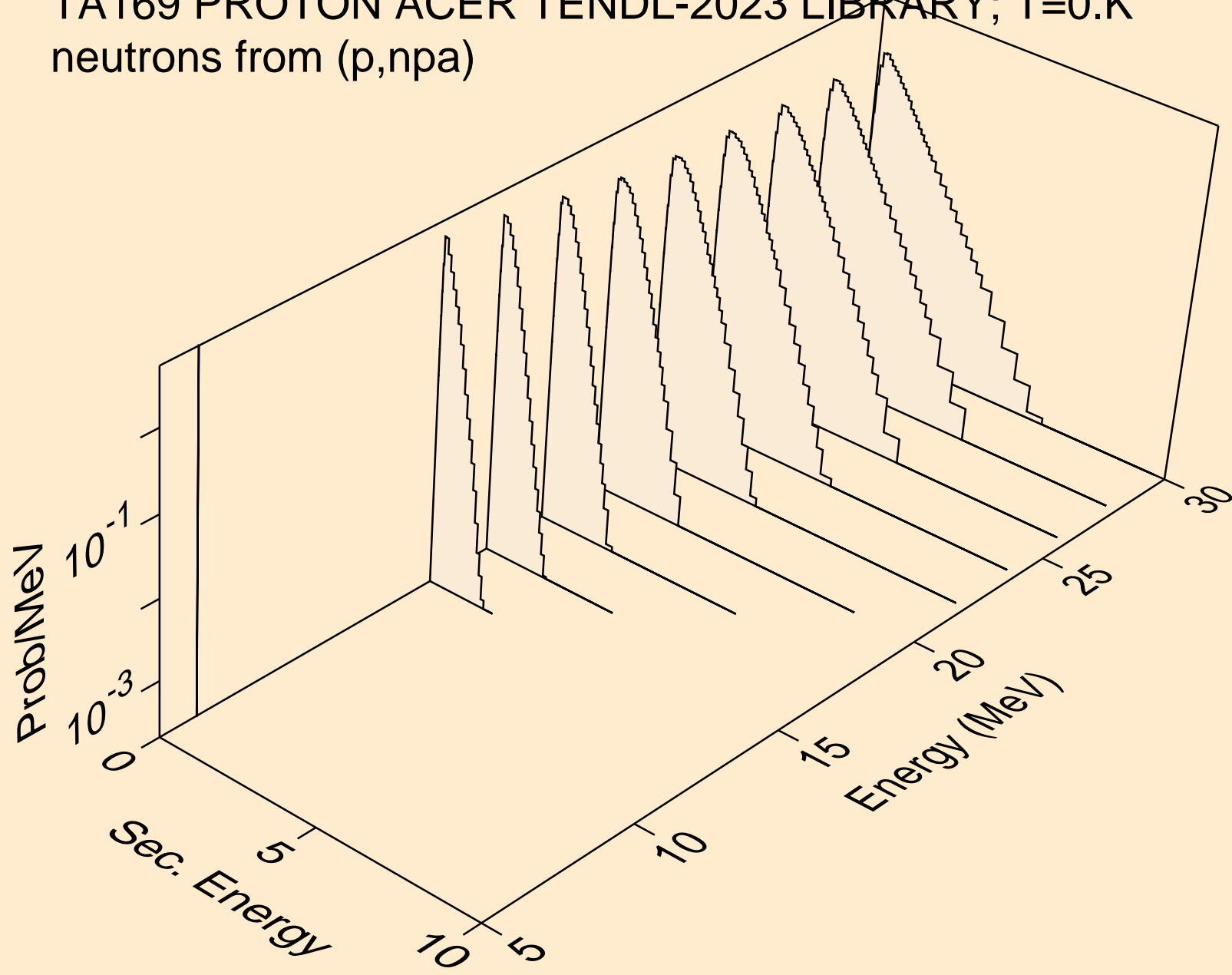




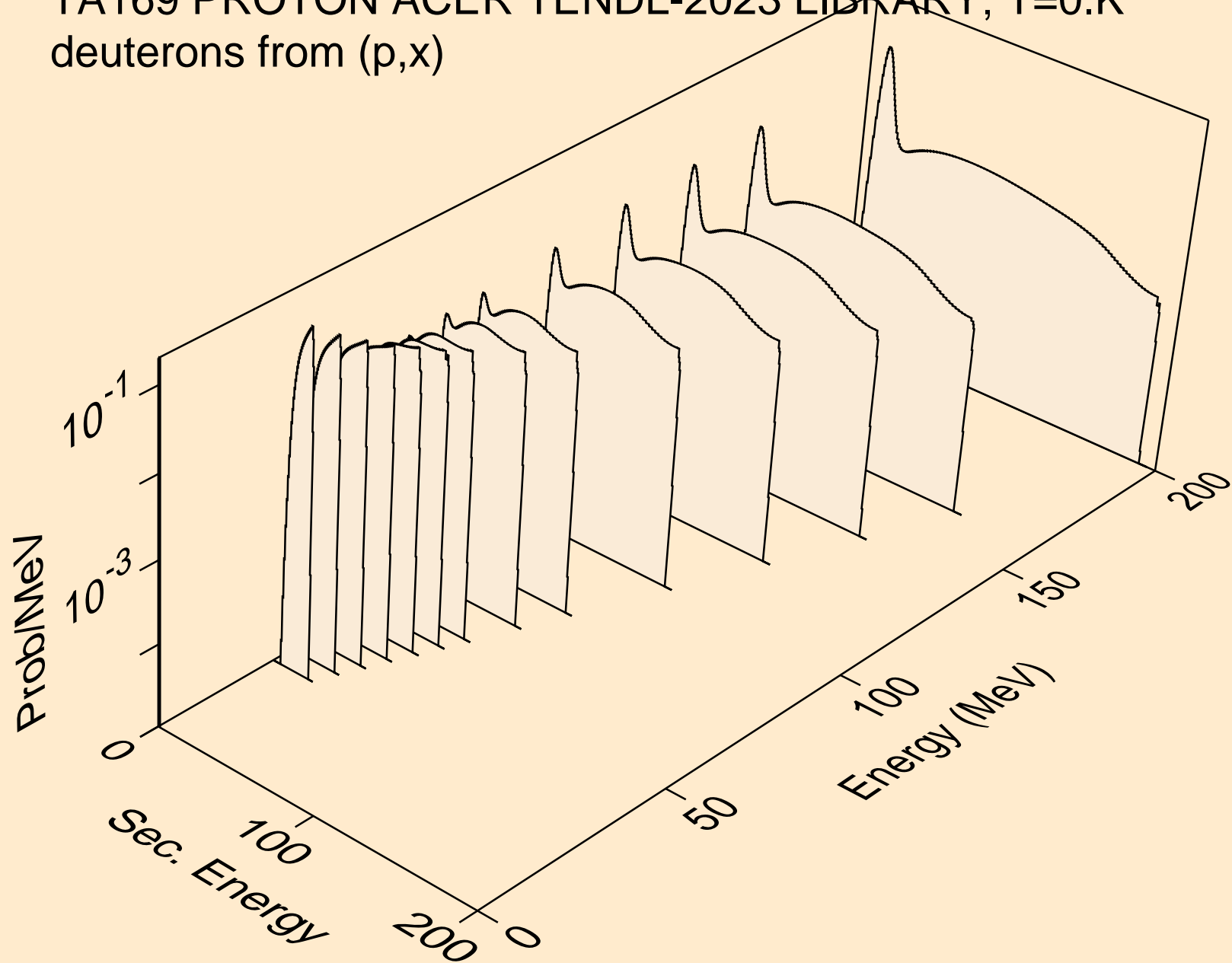
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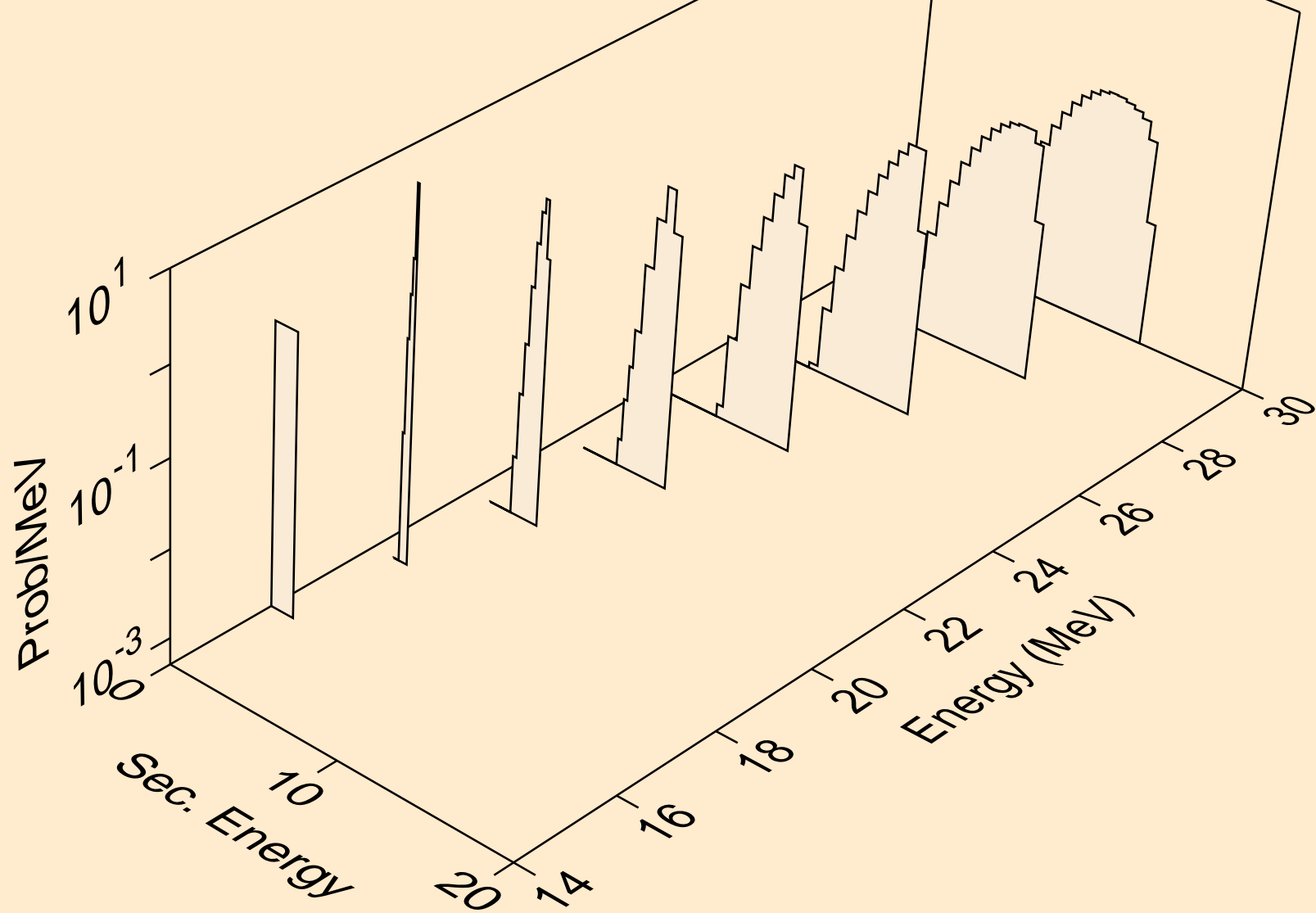
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neutrons from (p,npa)



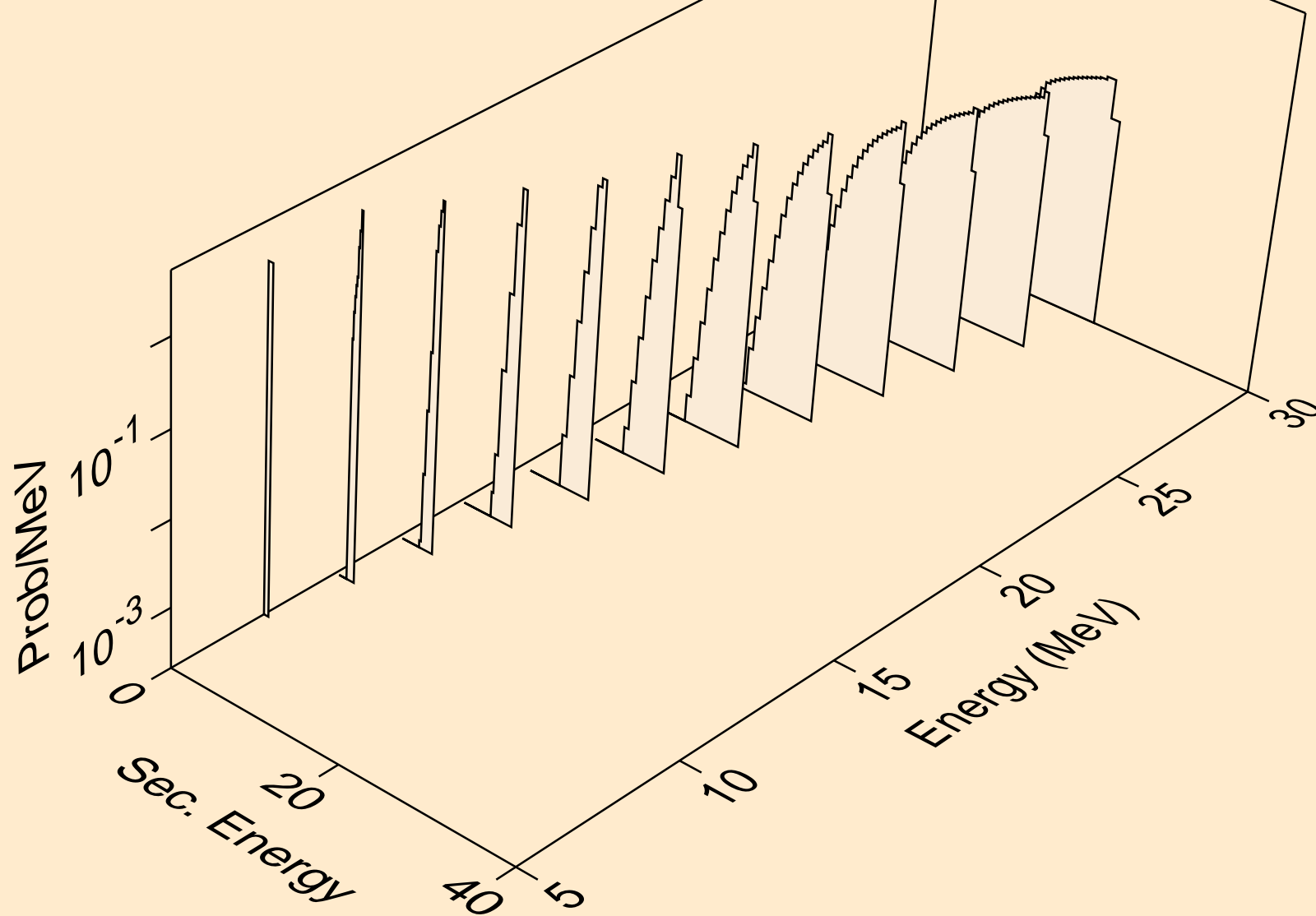
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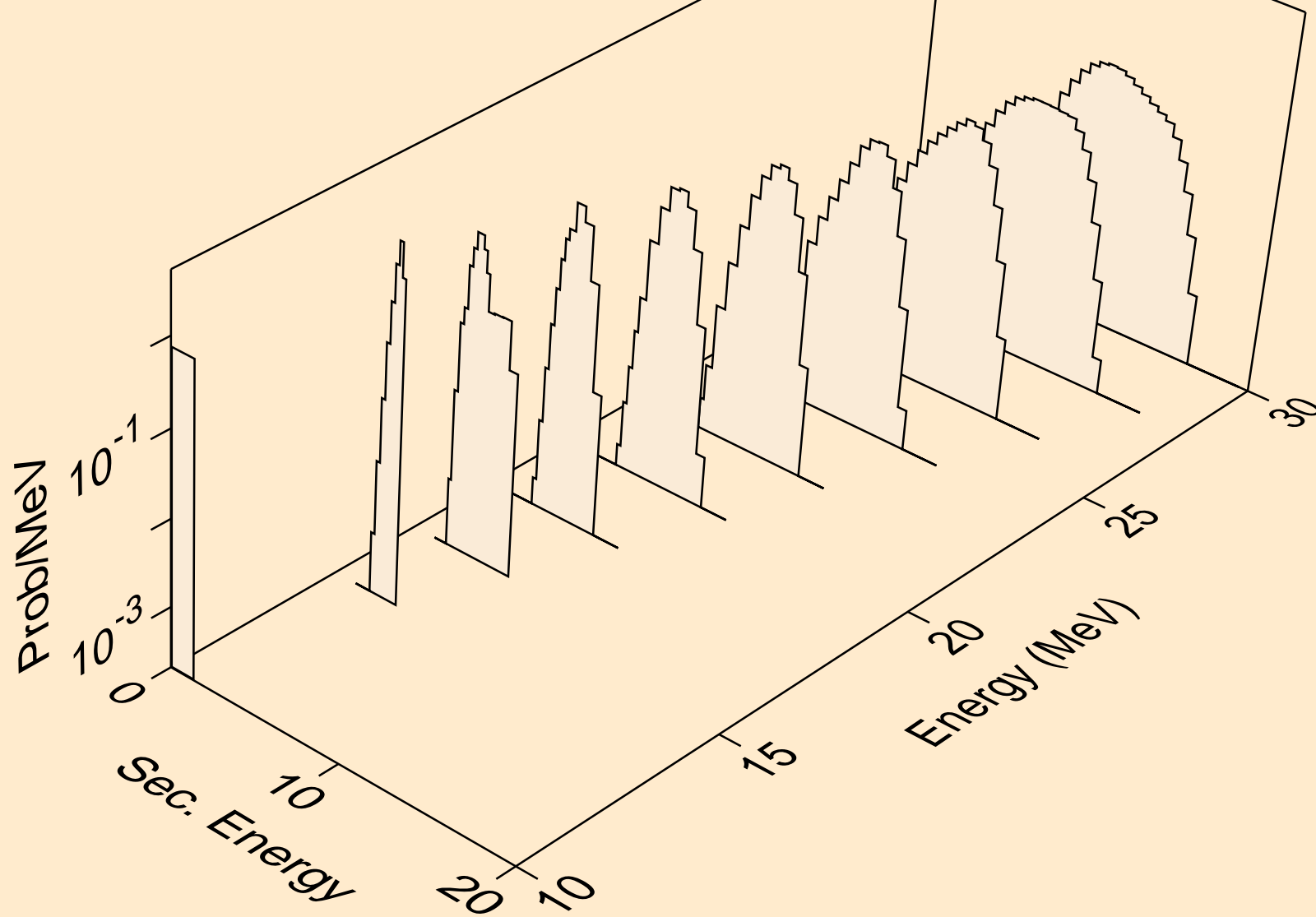
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deuterons from (p,n\*)d



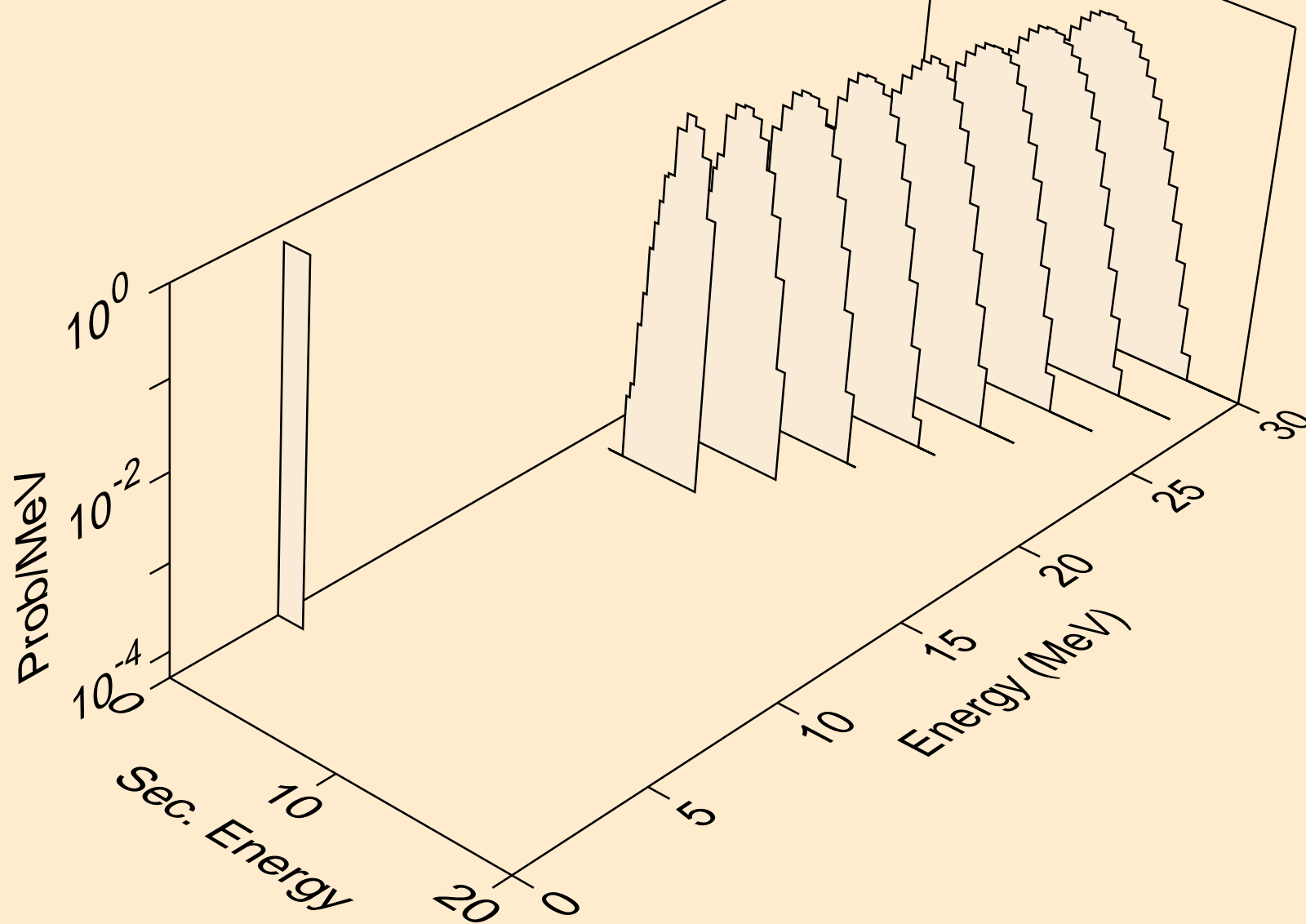
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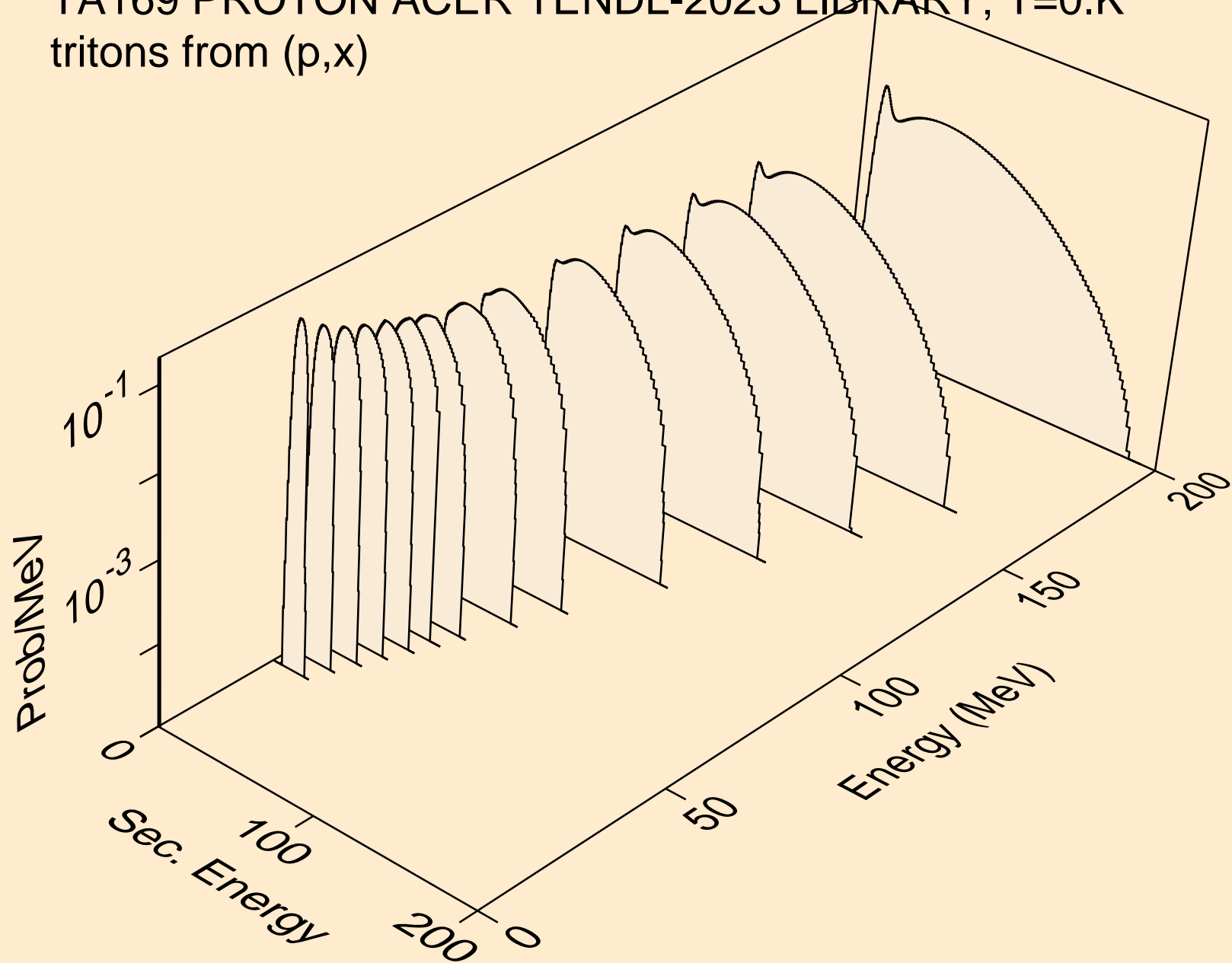
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deuterons from (p,pd)



TA169 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,da)

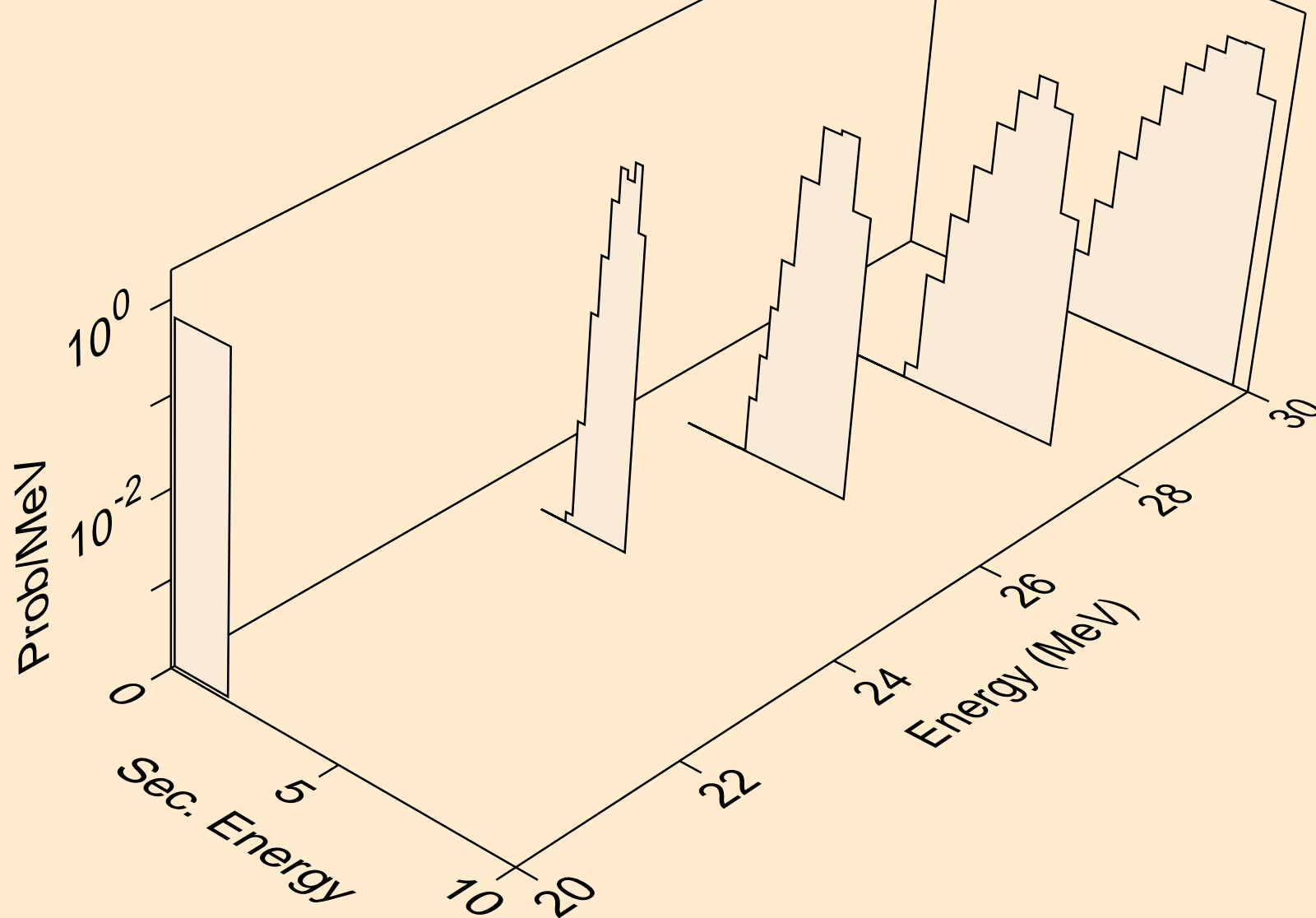


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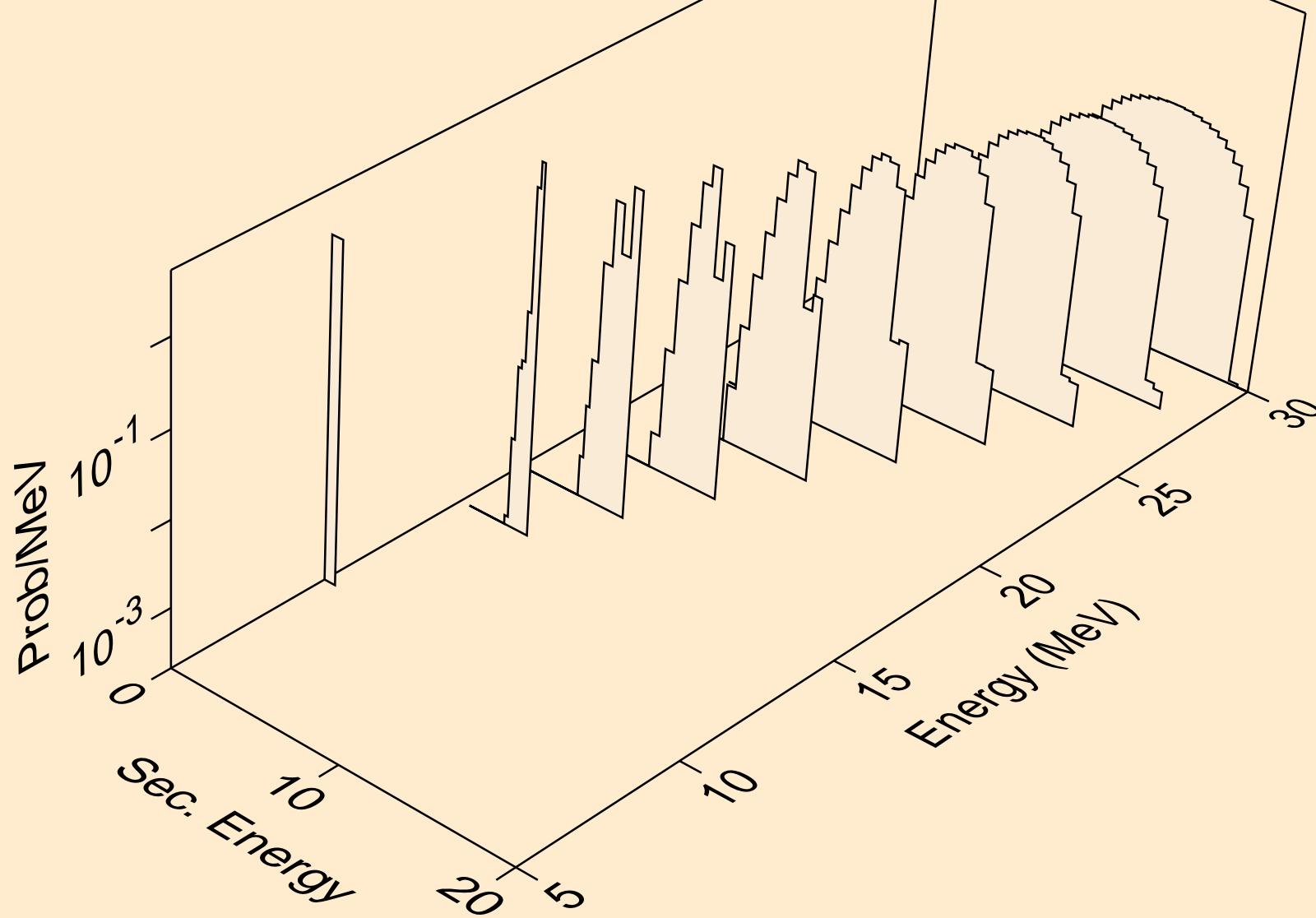




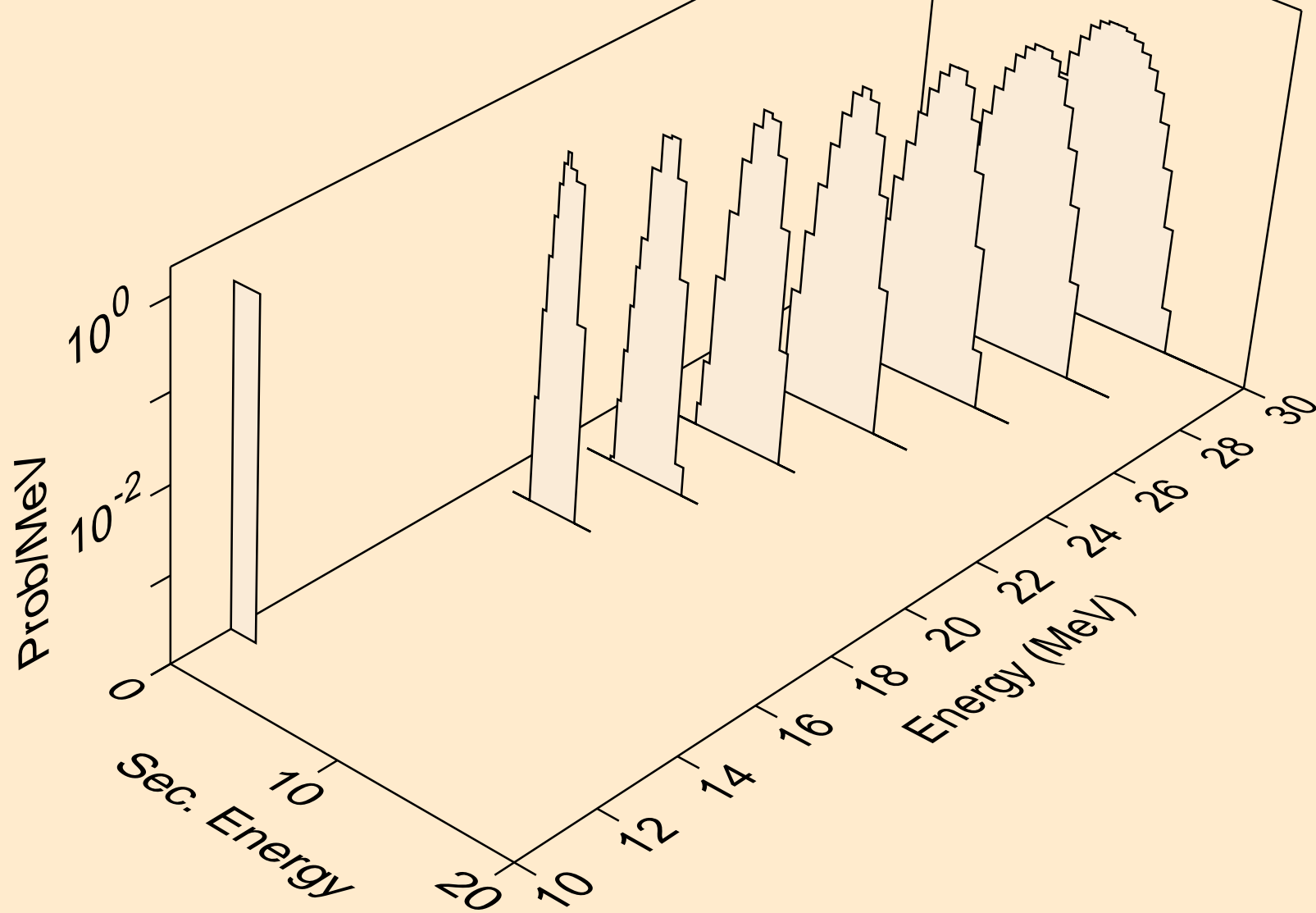
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tritons from (p,n\*)t



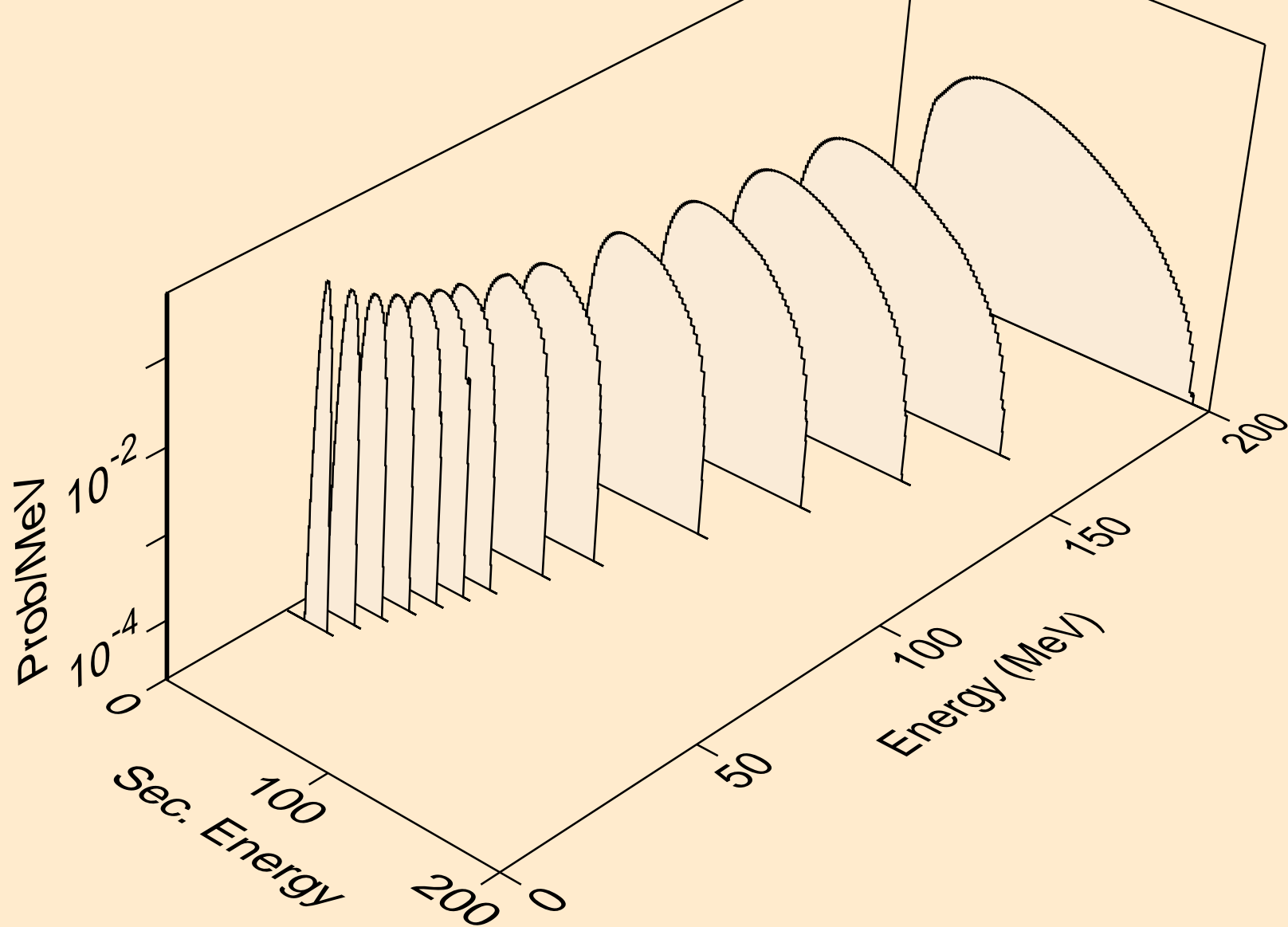
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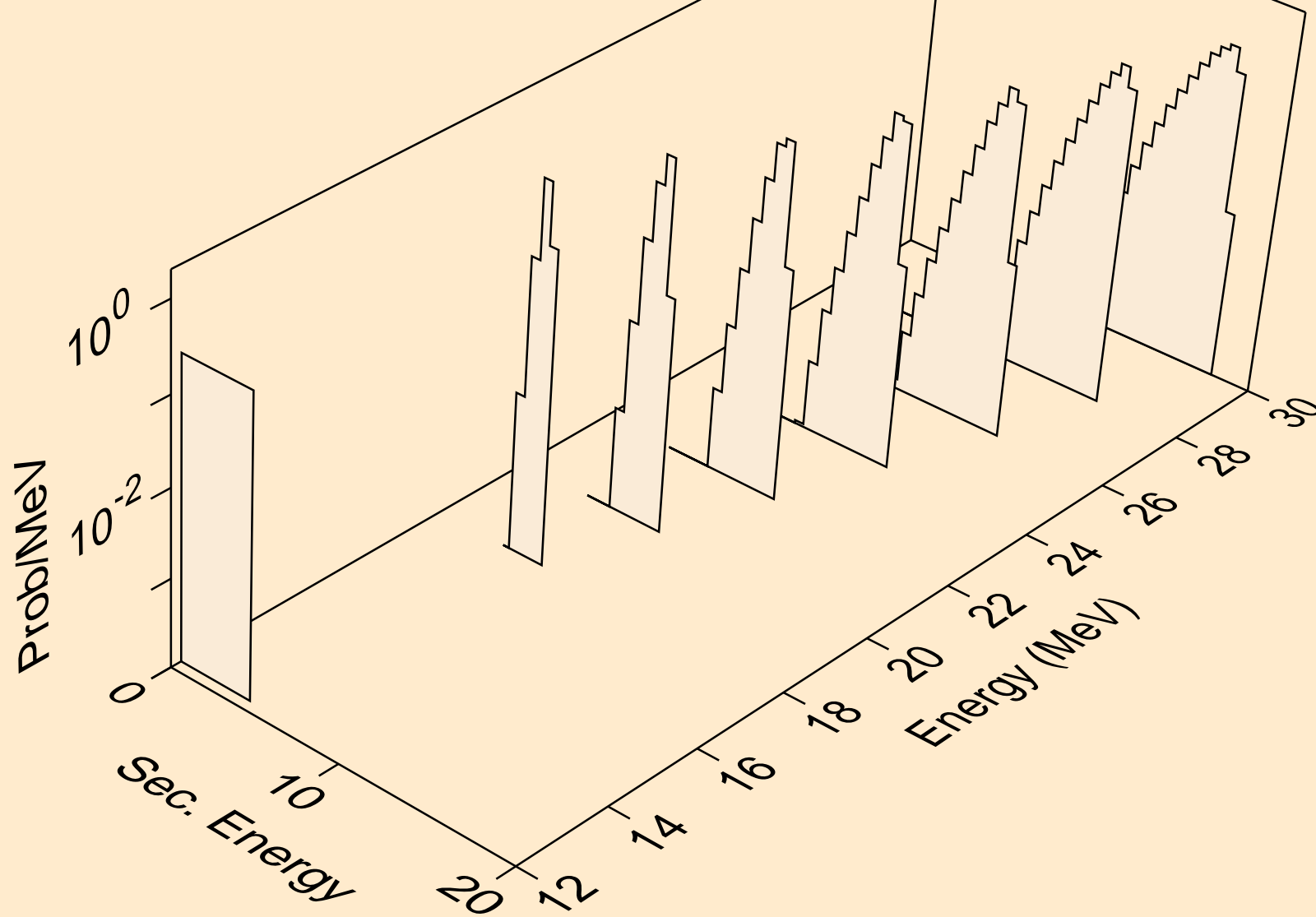
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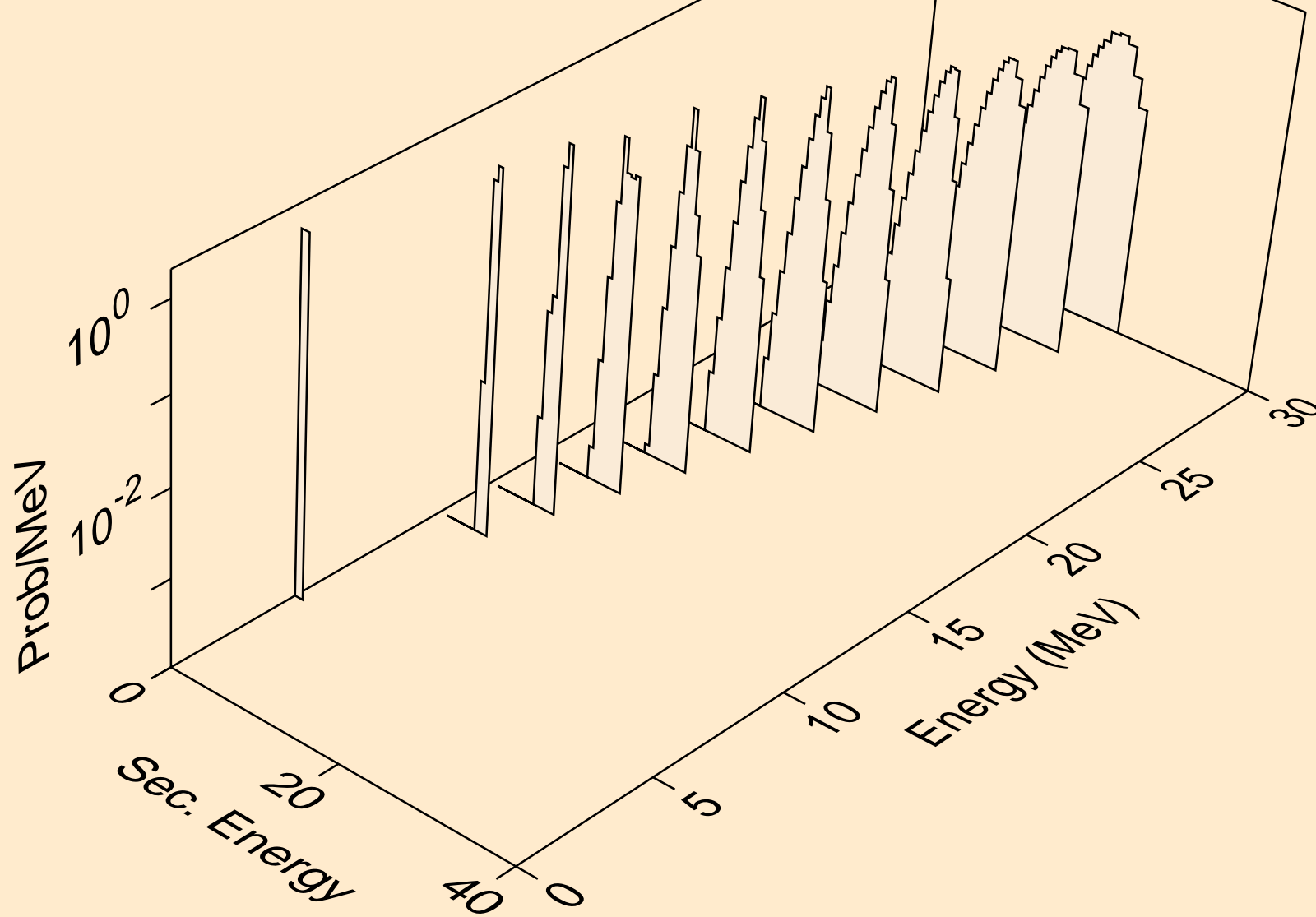
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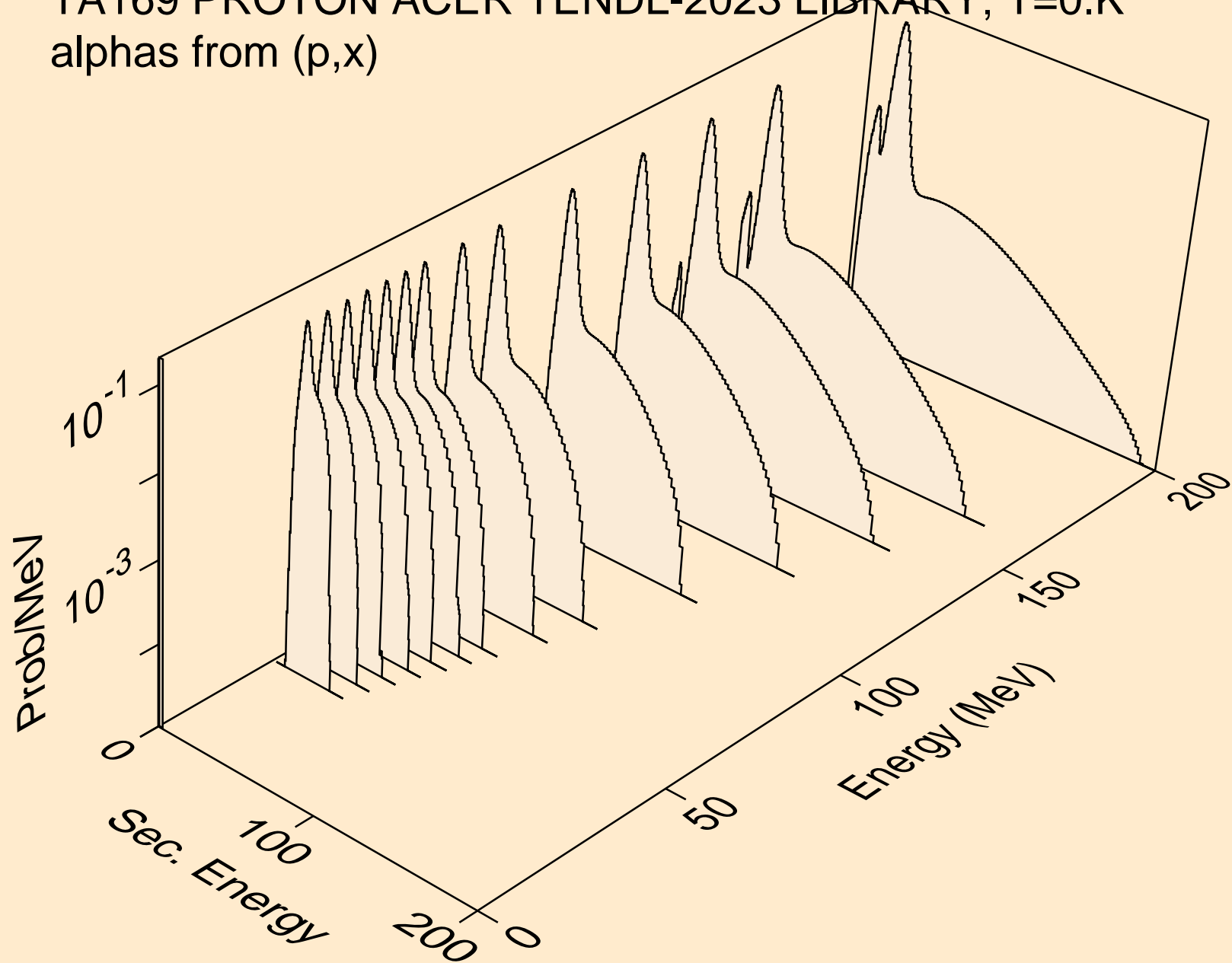
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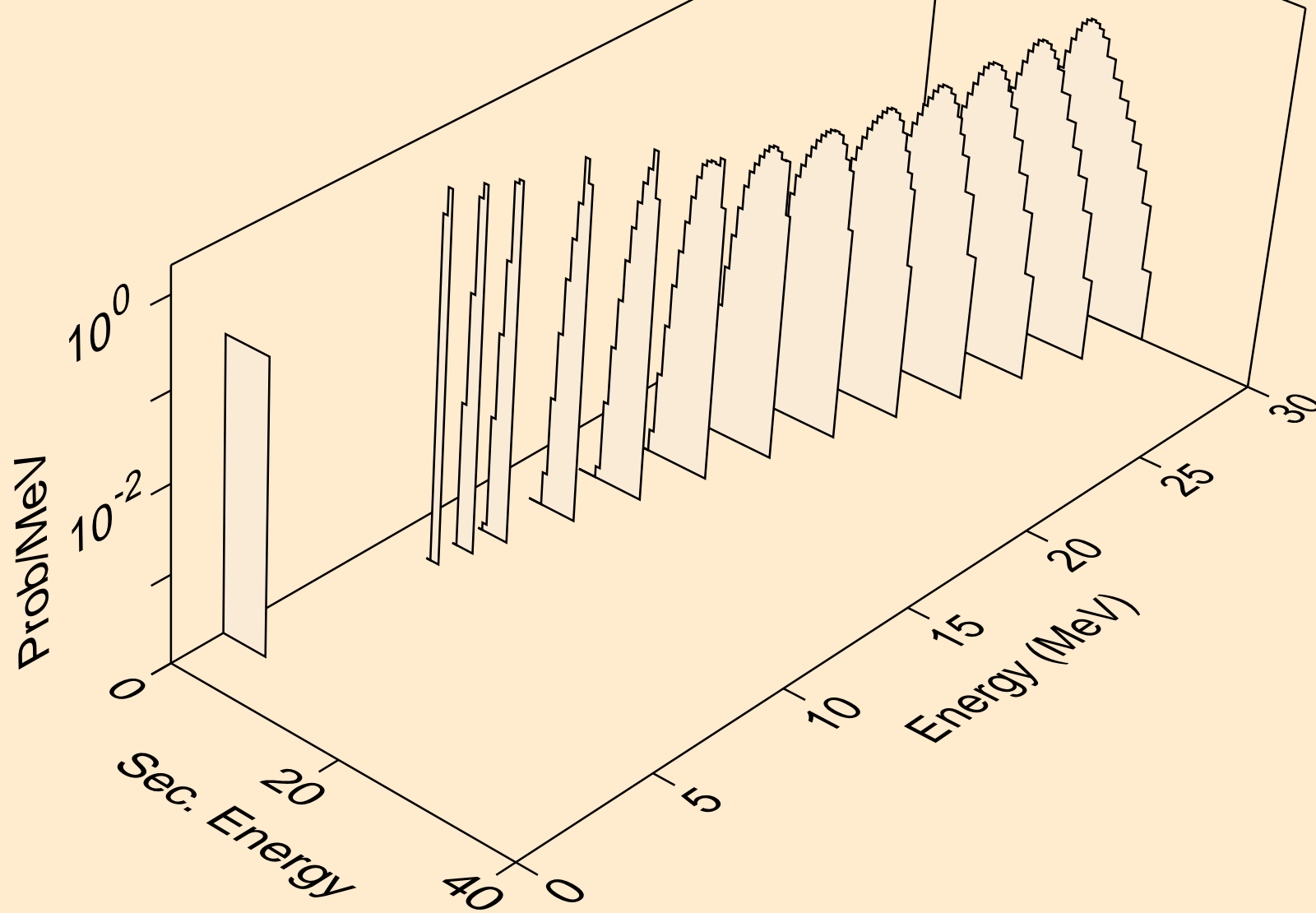
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he3s from (p,he3)



TA169 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,x)

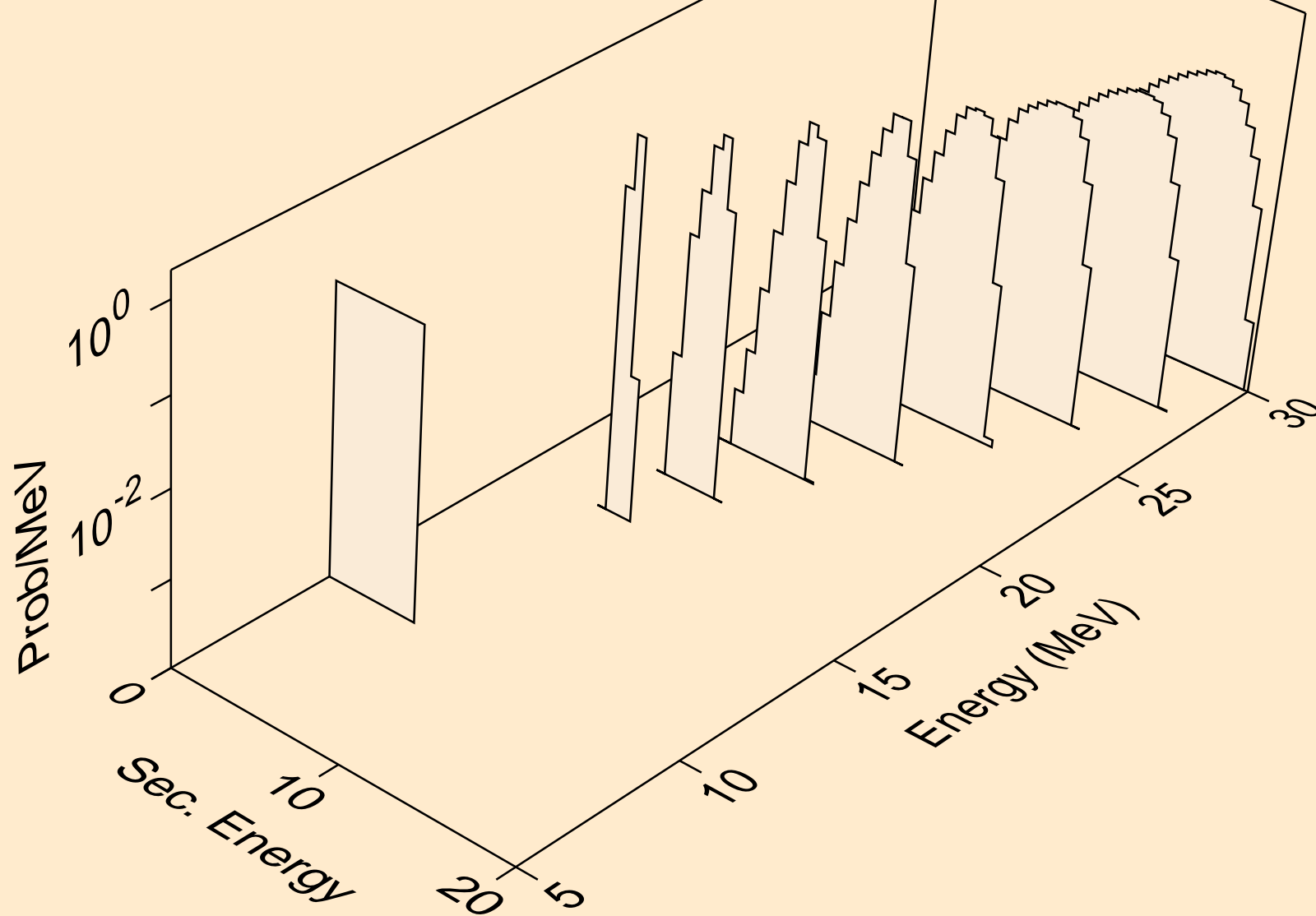


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alphas from (p,n\*)a

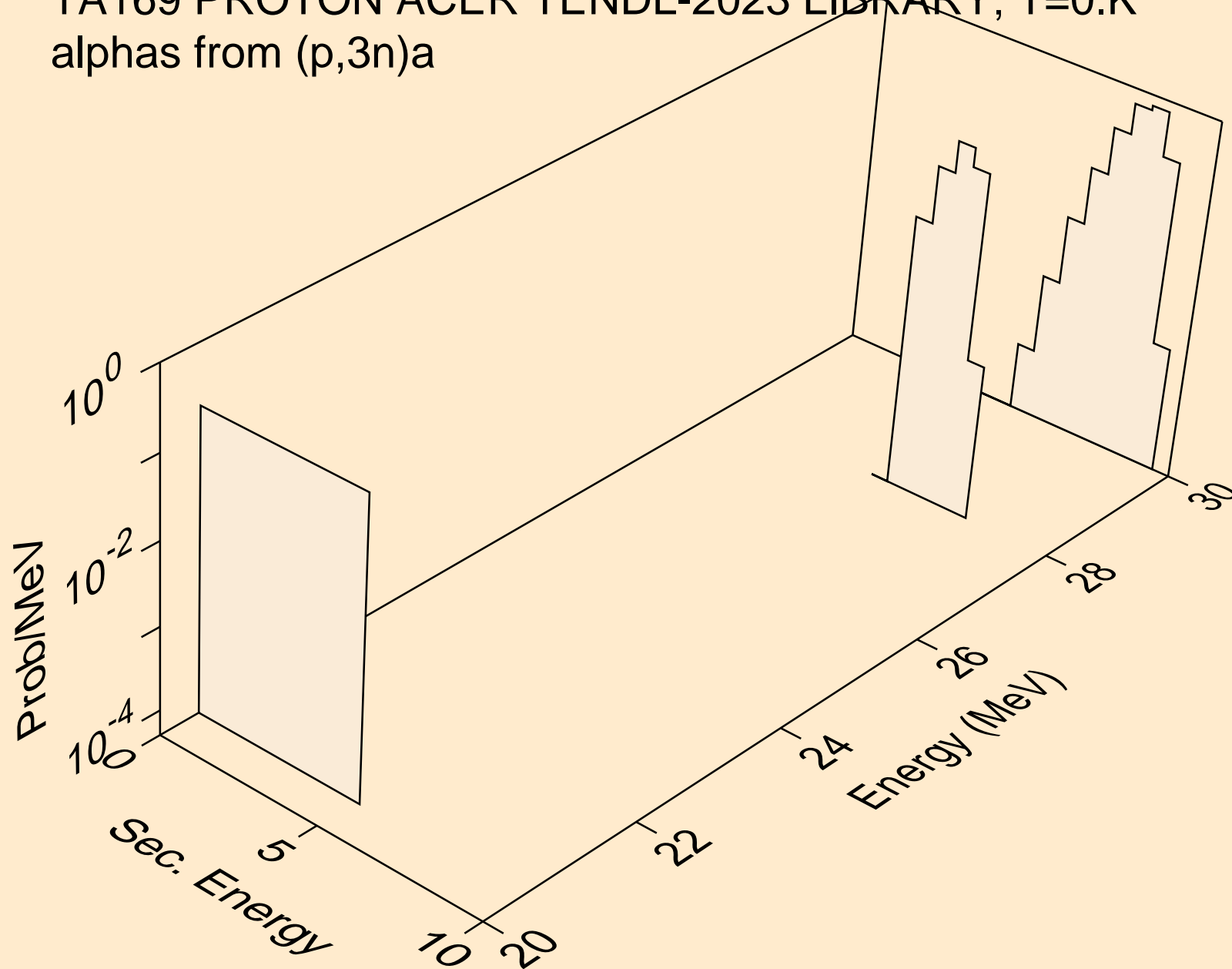




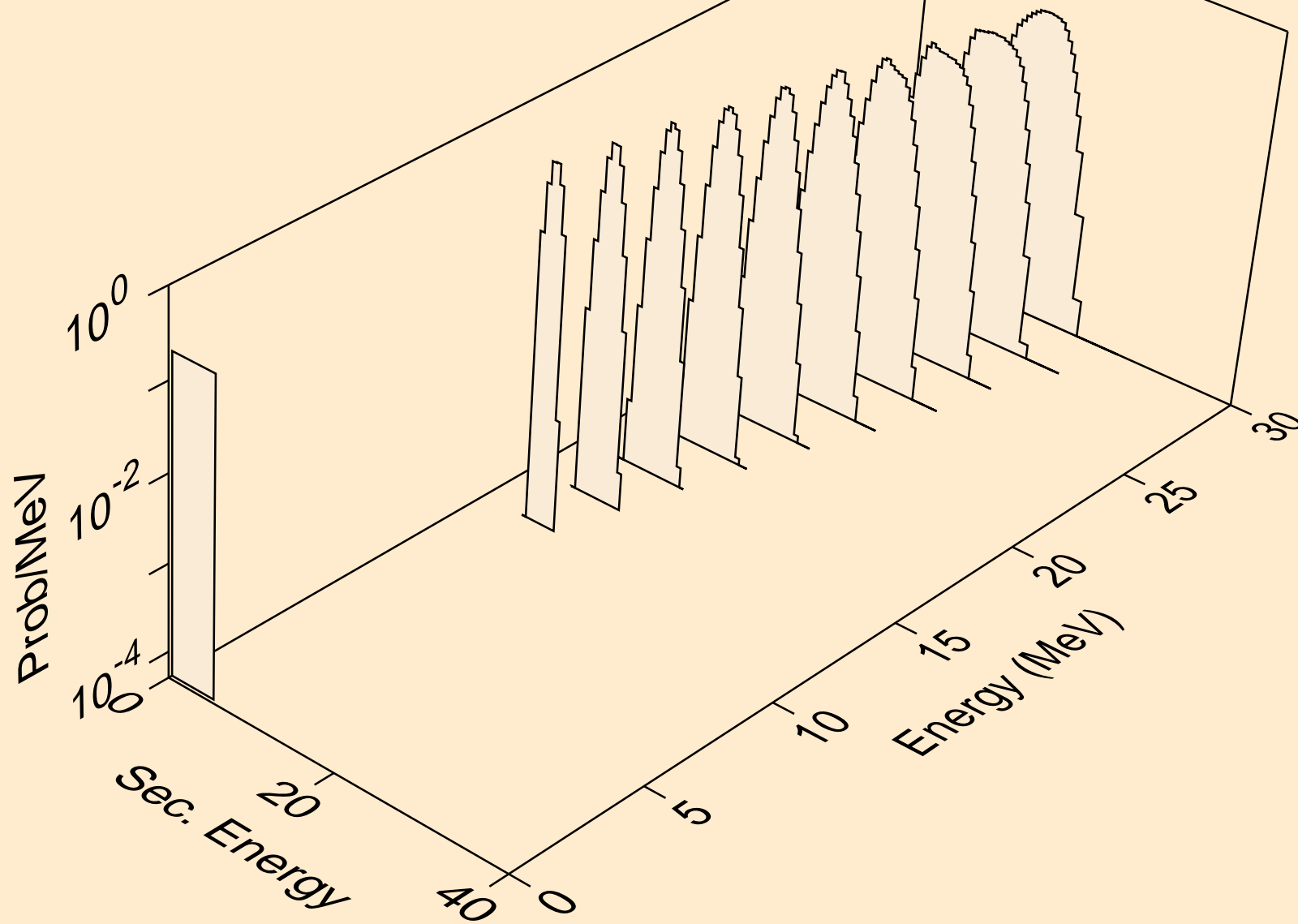
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alphas from (p,2n)a



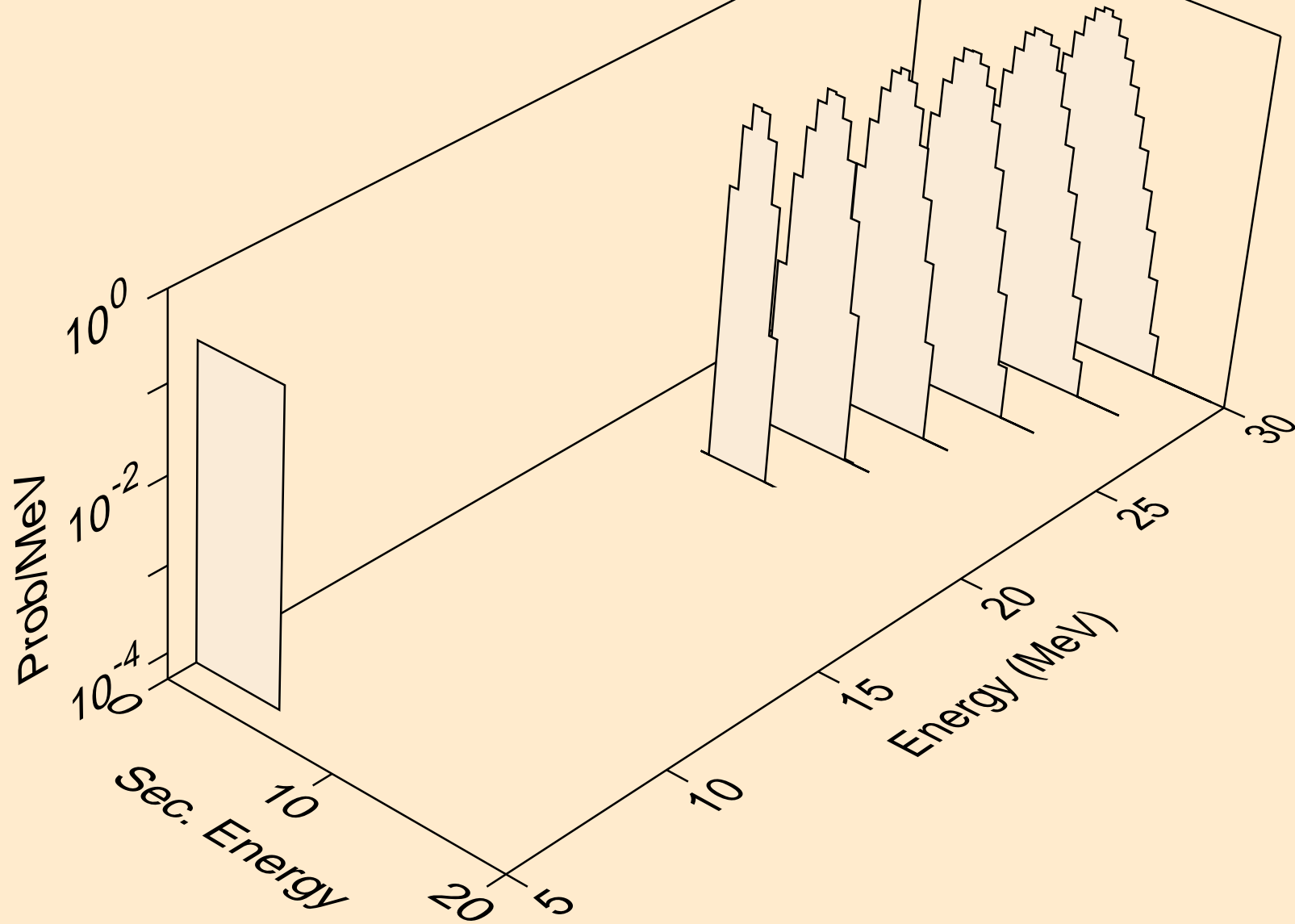
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alphas from (p,3n)a



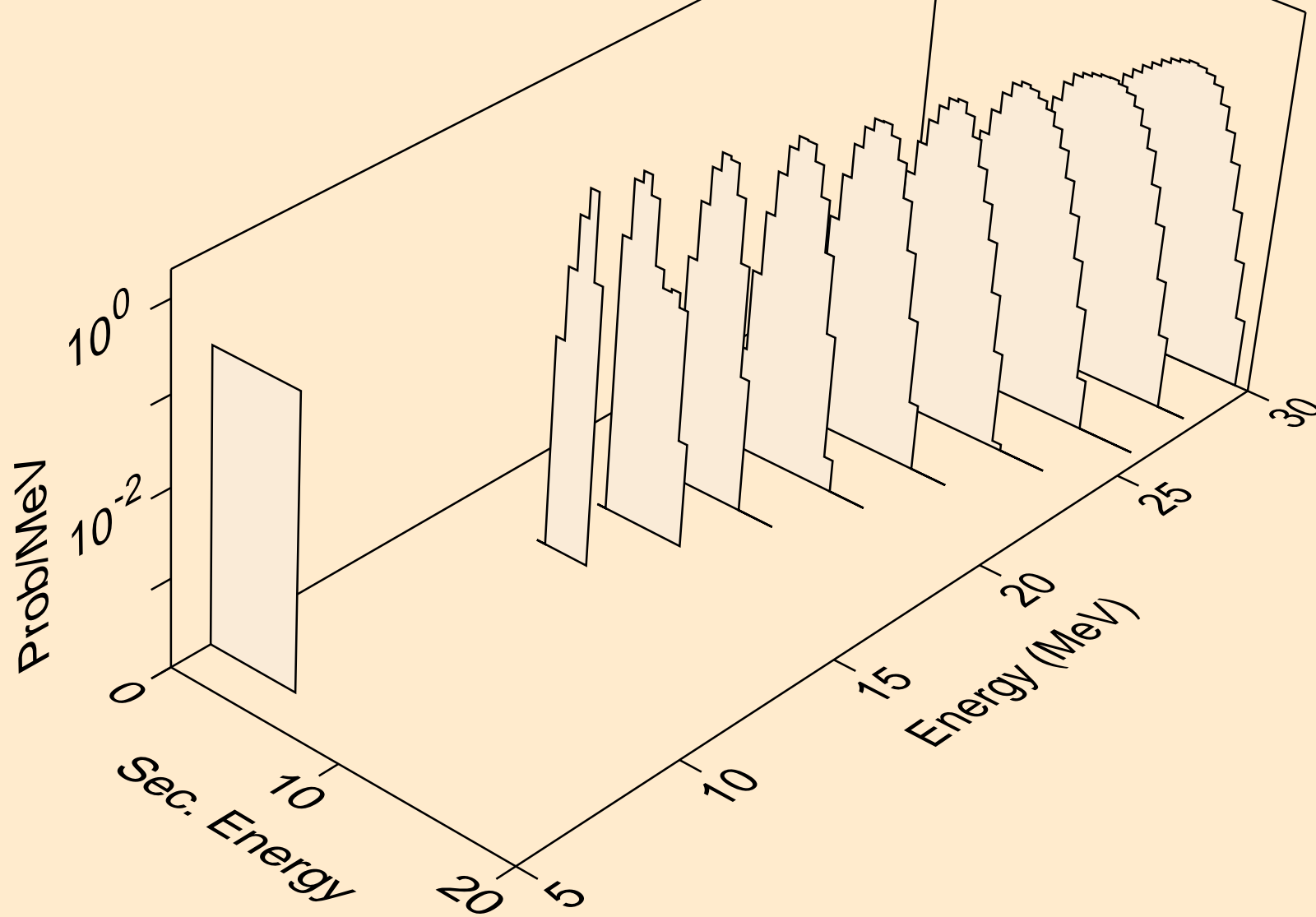
TA169 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)2a



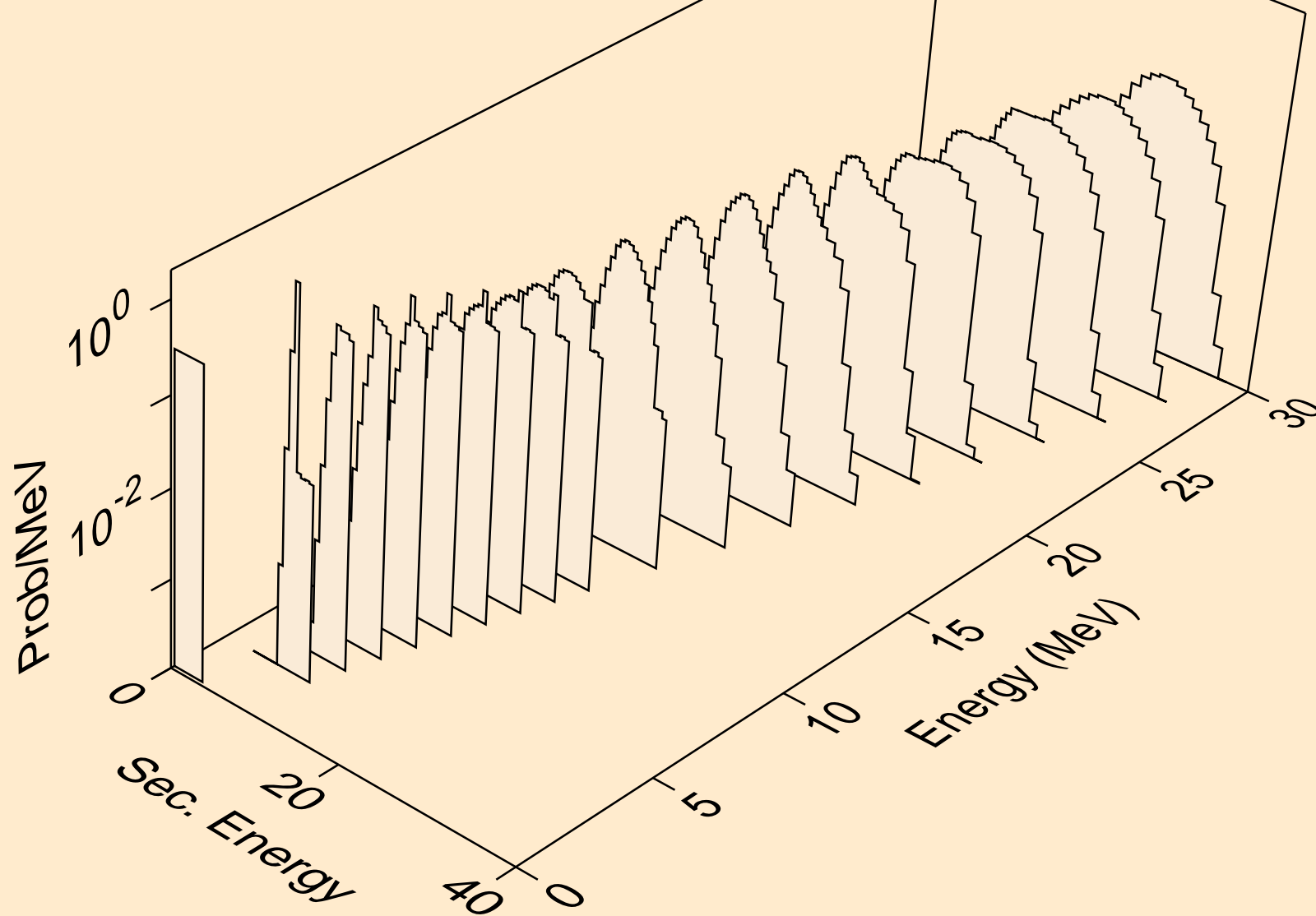
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alphas from (p,2n)2a



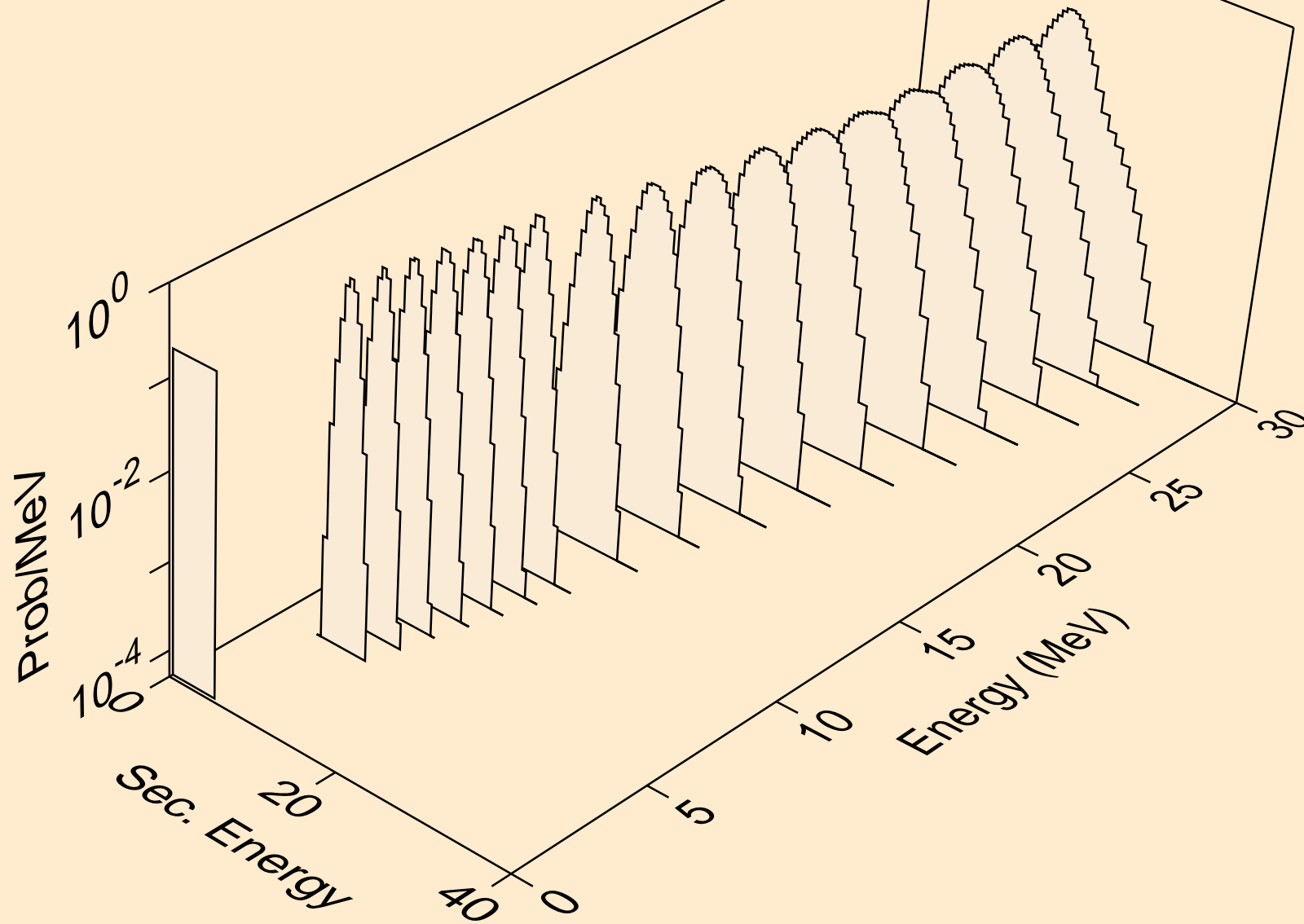
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alphas from (p,npa)



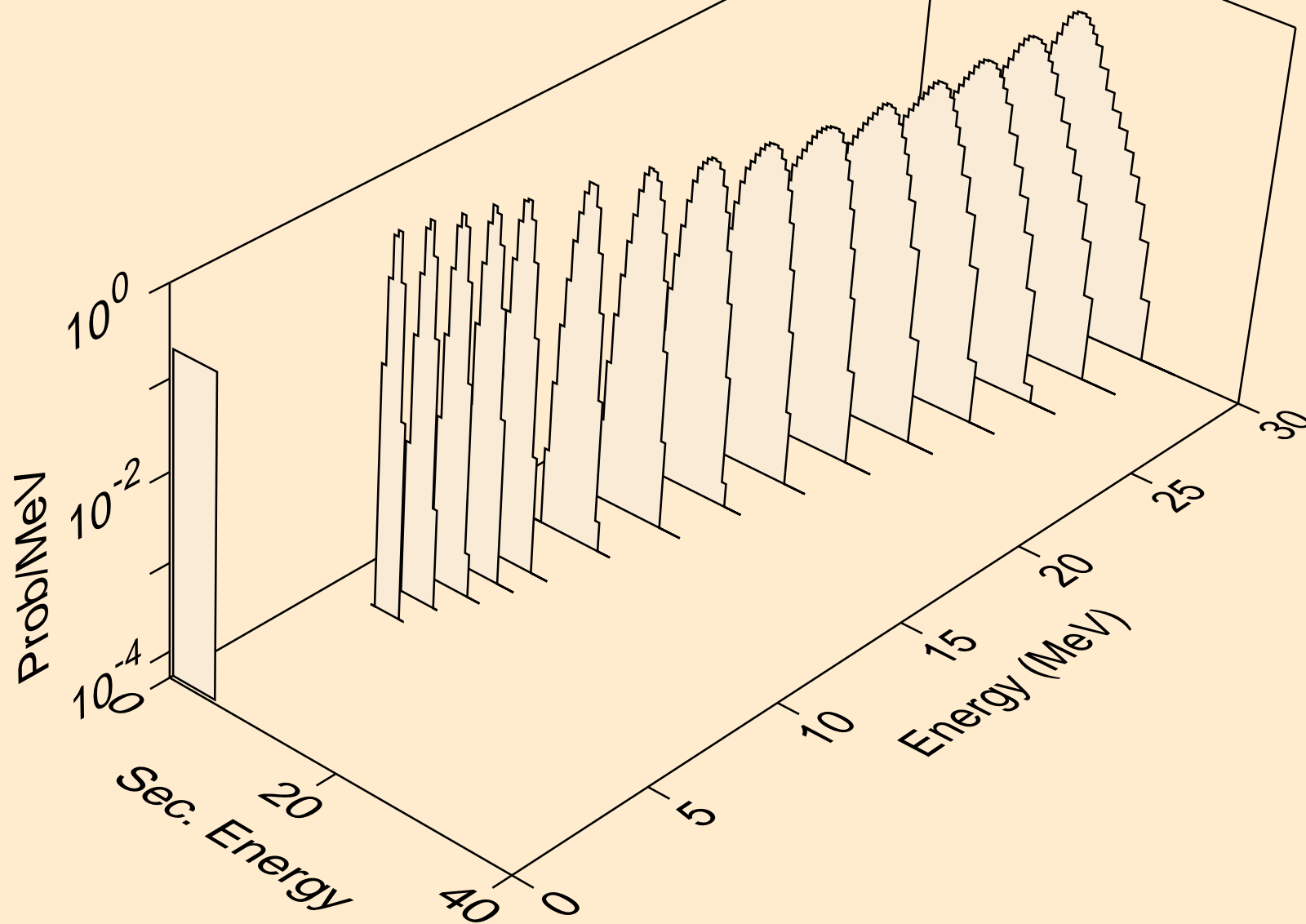
TA169 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,a)



TA169 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2a)



TA169 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,pa)





TA169 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,da)

